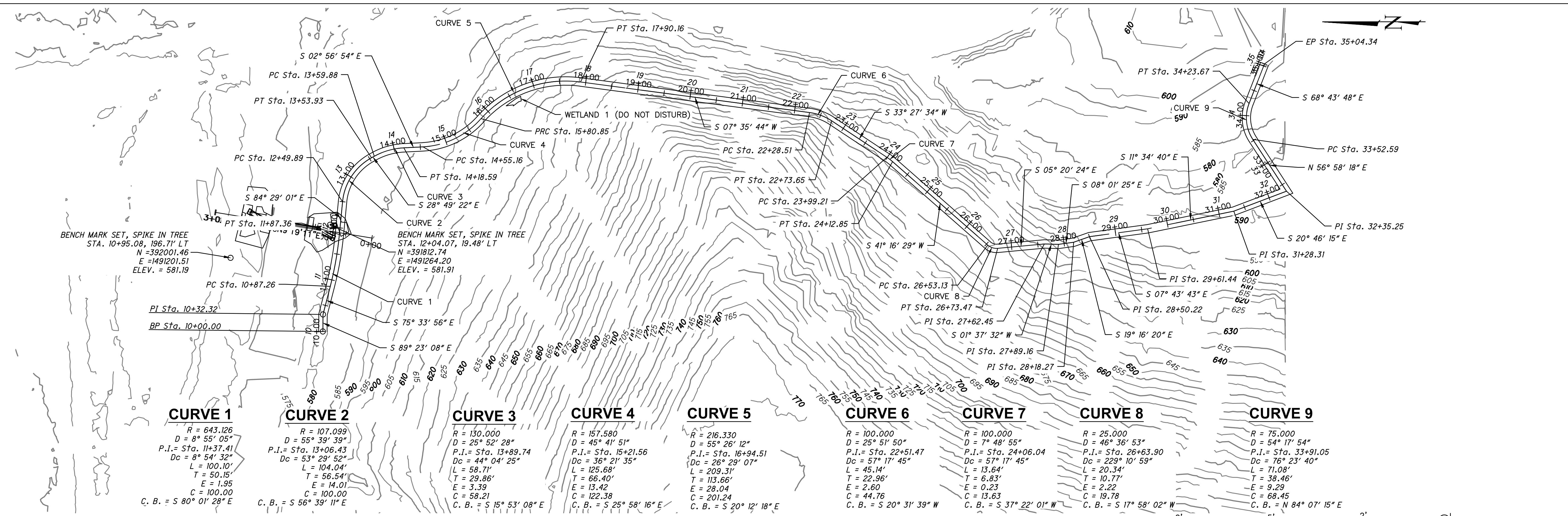






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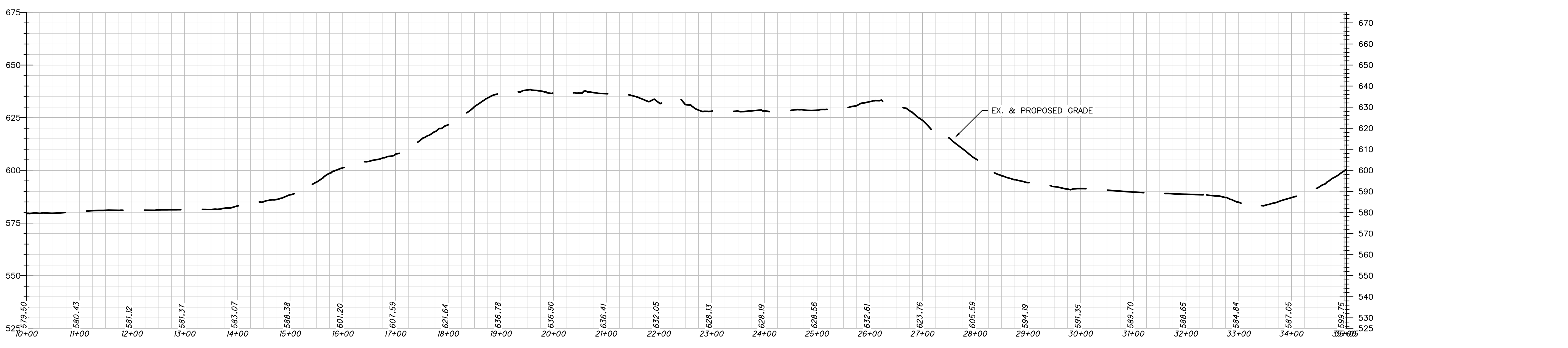
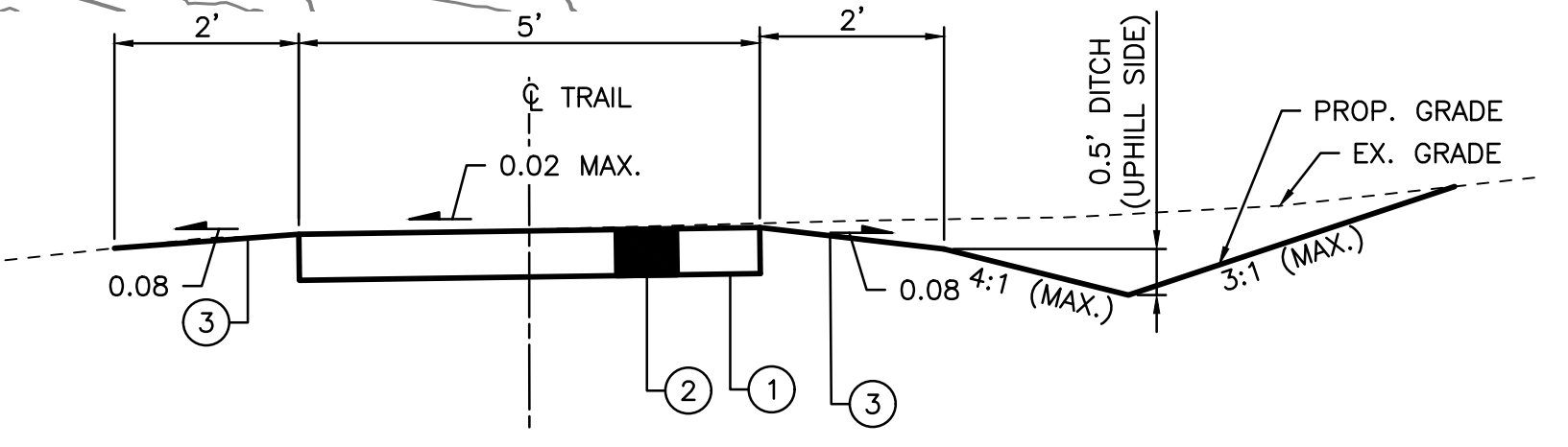
**TRAIL PLAN**

**NOTES:**

- TRAIL CENTERLINE IS APPROXIMATE. FOLLOW EXISTING CENTERLINE AS DETERMINED IN FIELD.
- QUANTITY OF ITEMS REQUIRED TO CONSTRUCT TRAIL ARE INCLUDED IN ITEM 304 - AGGREGATE BASE TRAIL, AS PER PLAN FOR PAYMENT. SEE SHEET 4/12 FOR ITEM PAYMENT NOTE.

**LEGEND:**

- ① ITEM 204 - SUBGRADE COMPACTION
- ② ITEM 304 - 3" DENSE GRADED AGGREGATE
- ③ ITEM 659 - SEEDING & MULCHING, CLASS 1



DESIGN AGENCY: **WOOLPERT**  
 1203 WALNUT ST., CINCINNATI, OH 45202  
 T 513-272-8300

DATE: 10/2023  
 PJP: [Blank]  
 STRUCTURE FILE NUMBER: [Blank]

DRAWN: TML  
 TML  
 REVISIONS: [Blank]

DESIGNED: TML  
 TML  
 CHECKED: JW  
 JW

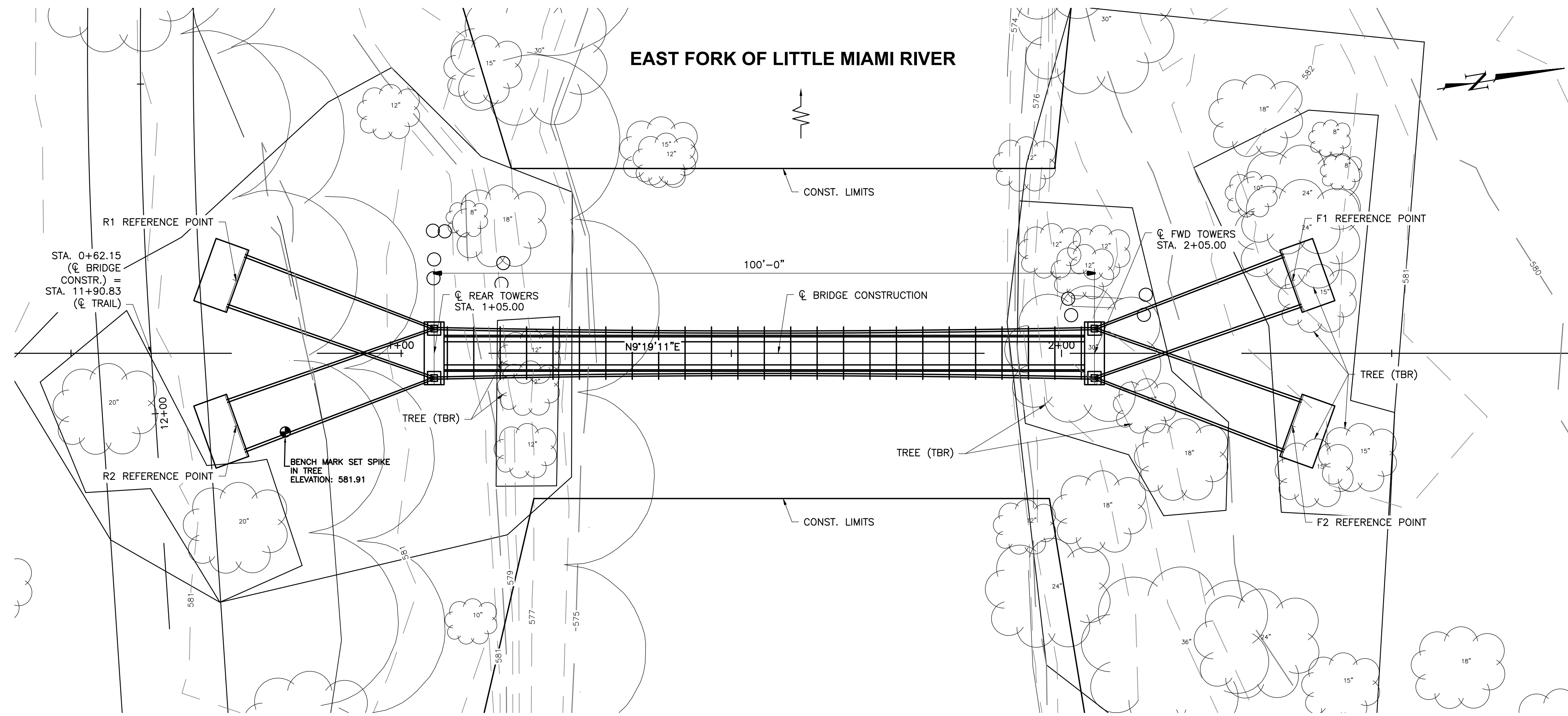
TRAIL DETAILS  
 BRIDGE NO. CLE-WILSON  
 CLERMONT COUNTY PEDESTRIAN SUSPENSION BRIDGE

CLERMONT COUNTY  
 PARK DISTRICT

2 / 12

2  
12

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**PLAN**

| BENCHMARK DATA |               |               |                  |
|----------------|---------------|---------------|------------------|
| BM #1          | STA. 0+82.46, | ELEV. 581.91, | OFFSET 11.92' RT |
| BM #2          | STA. 2+58.47, | ELEV. 581.19, | OFFSET 80.57' LT |

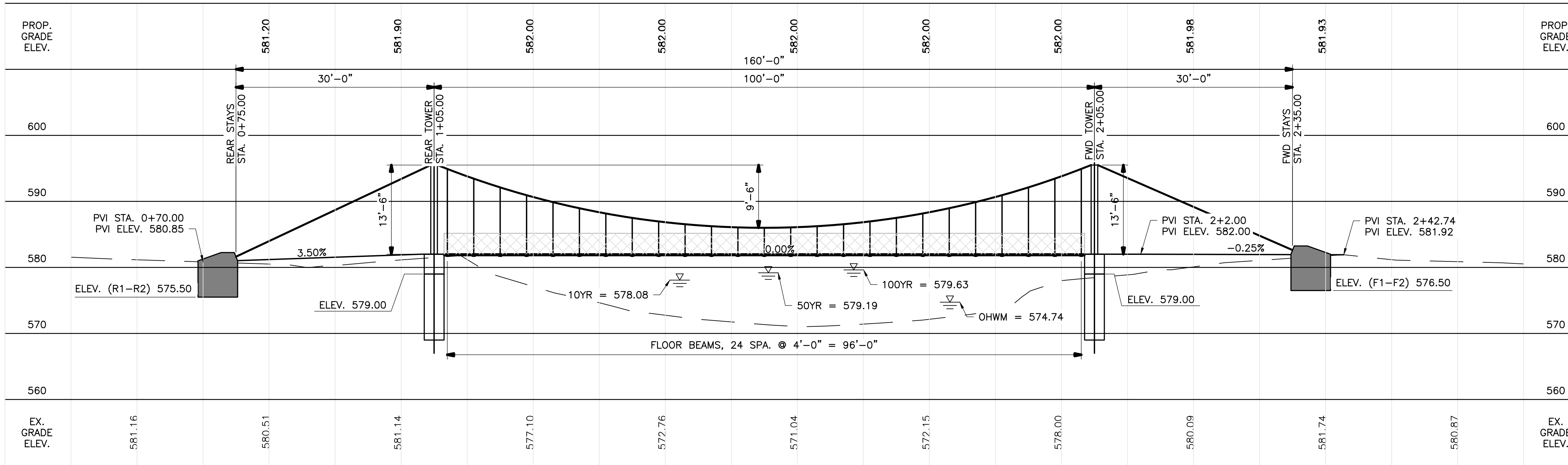
| STAY CABLE FOUNDATION LOCATIONS |              |               |                   |
|---------------------------------|--------------|---------------|-------------------|
| R1                              | STA. 0+75.00 | ELEV. 581.63, | OFFSET 11.00', LT |
| R2                              | STA. 0+75.00 | ELEV. 581.63, | OFFSET 11.00', RT |
| F1                              | STA. 2+35.00 | ELEV. 582.63, | OFFSET 11.00', LT |
| F2                              | STA. 2+35.00 | ELEV. 582.63, | OFFSET 11.00', RT |

**HYDRAULIC DATA**

DRAINAGE AREA = 360 SQ. MILES

|                   |                    |                    |
|-------------------|--------------------|--------------------|
| DESIGN FLOOD:     | Q(10) = 2,090 CFS  | V(10) = 5.20 FT/S  |
| SCOUR DESIGN:     | Q(50) = 2,750 CFS  | V(50) = 5.48 FT/S  |
| SCOUR CHECK/FEMA: | Q(100) = 2,970 CFS | V(100) = 5.48 FT/S |

STRUCTURE CLEARS THE 100-YEAR HIGH WATER BY 1.87 FEET.



**ELEVATION**

| EXISTING STRUCTURE |      |
|--------------------|------|
| TYPE:              | NONE |

| PROPOSED STRUCTURE |                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TYPE:              | SINGLE SPAN PEDESTRIAN SUSPENSION BRIDGE SUPPORTED BY WEATHERING STEEL TOWERS ON DRILLED SHAFT FOUNDATIONS WITH REINFORCED CONCRETE GRAVITY STAY ANCHORAGES. |
| SPANS:             | 30'-0" BACK SPAN, 100'-0" MAIN SPAN, 30'-0" BACK SPAN                                                                                                        |
| SETTING SAG:       | 9'-1"                                                                                                                                                        |
| DESIGN SAG:        | 9'-6"                                                                                                                                                        |
| WALKWAY:           | 3'-6" WALKWAY, 5'-5" HANDRAIL                                                                                                                                |
| LOADING:           | PEDESTRIAN LIVE LOAD, 90 PSF W/ 1.33 IMPACT                                                                                                                  |
| SKEW:              | NONE                                                                                                                                                         |
| ALIGNMENT:         | TANGENT                                                                                                                                                      |
| CROWN:             | NONE                                                                                                                                                         |
| COORDINATES:       | LATITUDE: 39° 03' 49.85" N<br>LONGITUDE: 84° 10' 54.91" W                                                                                                    |

DESIGN AGENCY: WOOLPERT  
 1203 WALNUT ST., CINCINNATI, OH 45202  
 T 513-272-8300  
 BRIDGE SITE PLAN  
 BRIDGE NO. CLE-WILSON  
 CLERMONT COUNTY PEDESTRIAN SUSPENSION BRIDGE  
 CLERMONT COUNTY PARK DISTRICT  
 3 / 12  
 3 / 12





**LIST OF ABBREVIATIONS:**

|        |   |                    |        |   |                        |
|--------|---|--------------------|--------|---|------------------------|
| ABUT.  | - | ABUTMENT           | MAX.   | - | MAXIMUM                |
| APPR.  | - | APPROACH           | MIN.   | - | MINIMUM                |
| ℄      | - | BASELINE           | M.O.T. | - | MAINTENANCE OF TRAFFIC |
| BOT.   | - | BOTTOM             | N.F.   | - | NEAR FACE              |
| BET.   | - | BETWEEN            | NTS    | - | NOT TO SCALE           |
| BRG.   | - | BEARING            | NO.    | - | NUMBER                 |
| C/C    | - | CENTER TO CENTER   | O/O    | - | OUT TO OUT             |
| CIP    | - | CAST IN PLACE      | NP.    | - | PROPOSED               |
| C.J.   | - | CONSTRUCTION JOINT | PT.    | - | POINT                  |
| CONT.  | - | CONTINUED          | PVMT.  | - | PAVEMENT               |
| ℄      | - | CENTERLINE         | R.A.   | - | REAR ABUTMENT          |
| CLR.   | - | CLEAR              | REF.   | - | REFERENCE              |
| CONST. | - | CONSTRUCTION       | REQ'D  | - | REQUIRED               |
| DIA.   | - | DIAMETER           | SER.   | - | SERIES                 |
| E.F.   | - | EACH FACE          | SPA.   | - | SPACES                 |
| ELEV.  | - | ELEVATION          | SYP    | - | SOUTHERN YELLOW PINE   |
| EQ.    | - | EQUAL              | TEMP.  | - | TEMPORARY              |
| EST.   | - | ESTIMATED          | T/S    | - | TOE OF SLOPE           |
| EX.    | - | EXISTING           | T/T    | - | TOE TO TOE             |
| EXP.   | - | EXPANSION          | TYP.   | - | TYPICAL                |
| F.A.   | - | FORWARD ABUTMENT   | U.N.O. | - | UNLESS NOTED OTHERWISE |
| FTG.   | - | FOOTING            | VERT.  | - | VERTICAL               |
| INCR.  | - | INCREMENT          | W/     | - | WITH                   |

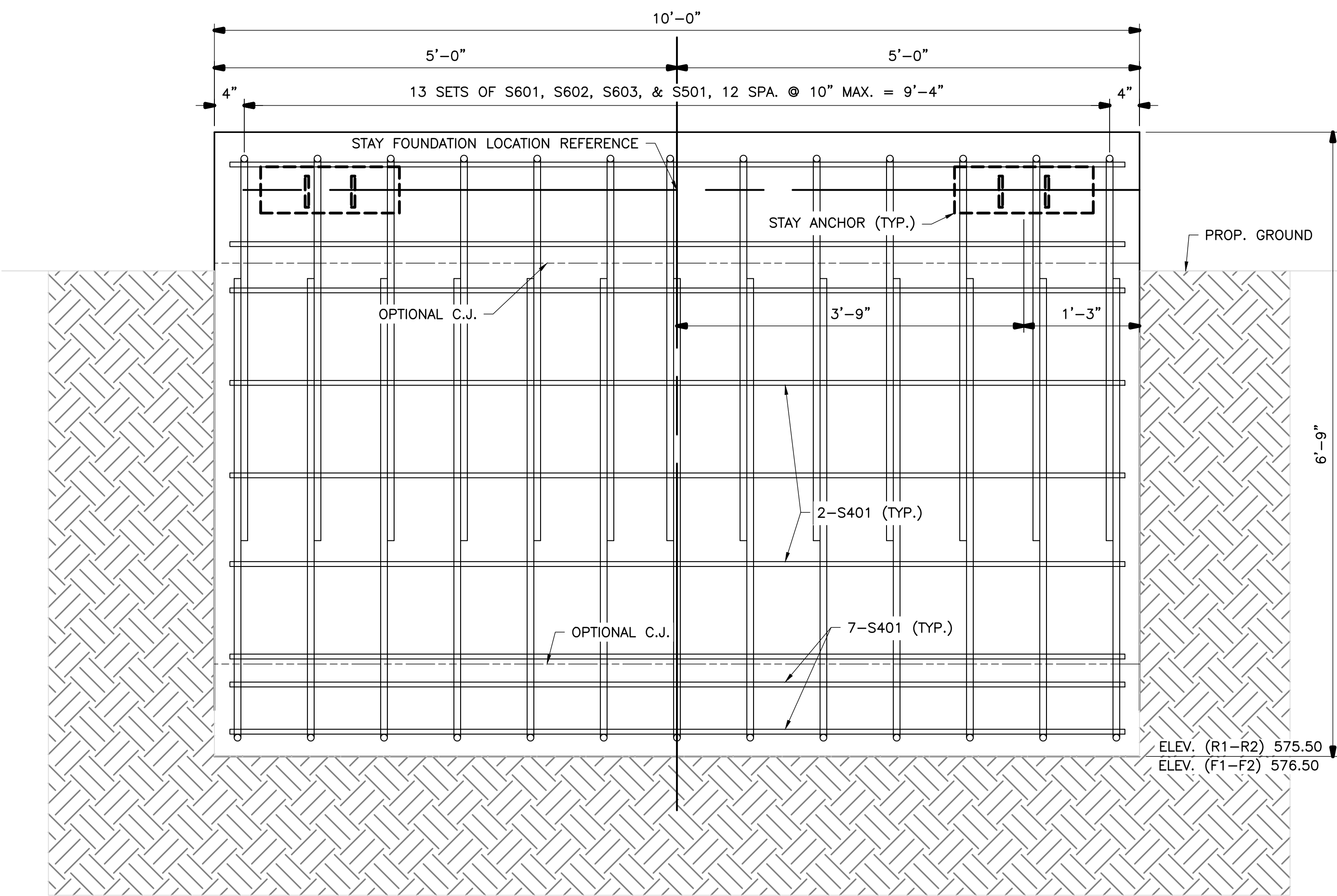
**CONSTRUCTION SEQUENCE:**

CONSTRUCT THE STRUCTURE ACCORDING TO THE FOLLOWING SEQUENCE. DEVIATIONS FROM THIS SEQUENCE SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION.

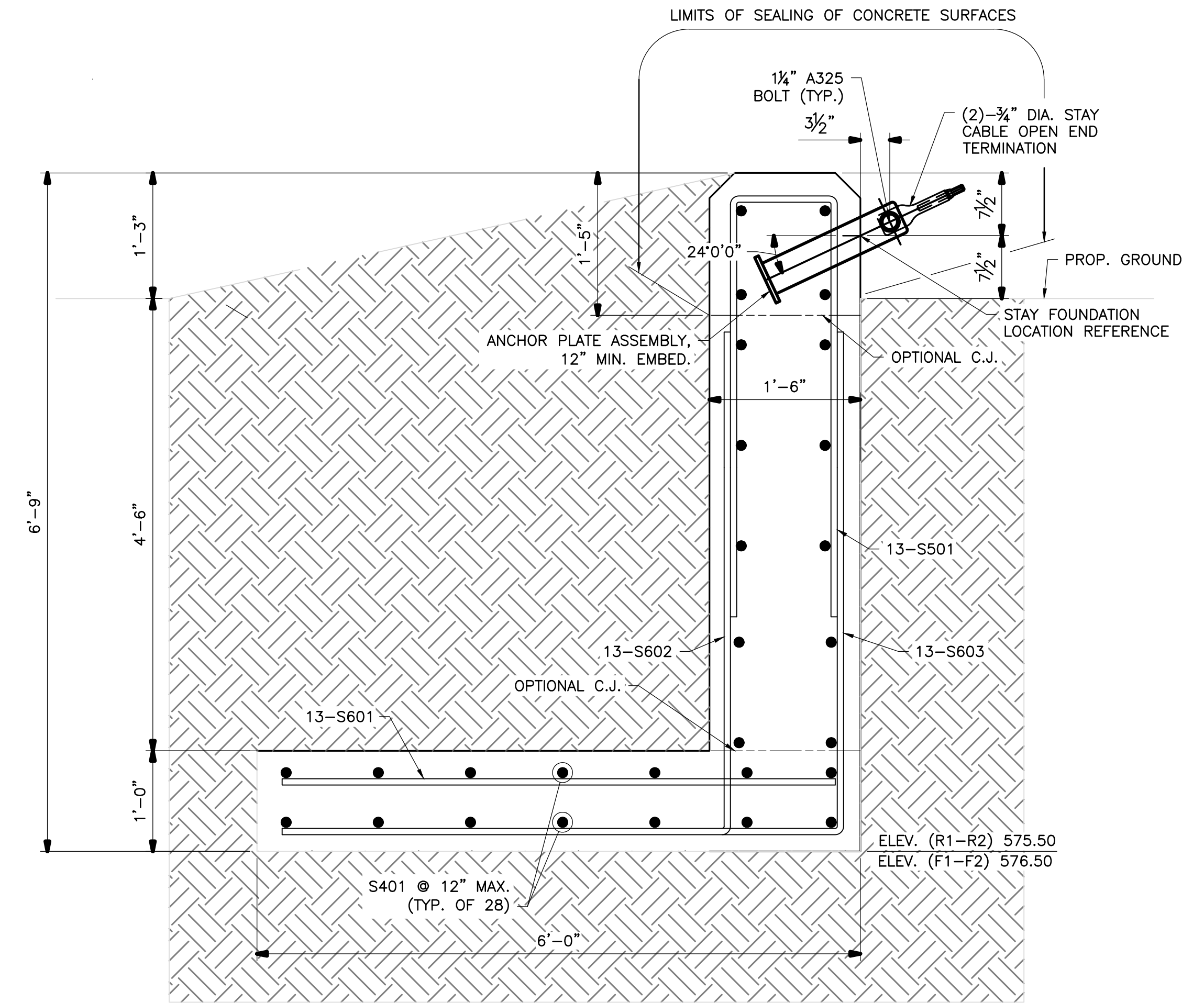
1. CONSTRUCT DRILLED SHAFT TOWER FOUNDATIONS AND STAY FOUNDATIONS, INCLUDING EXCAVATIONS AND BACKFILL.
2. SET STEEL TOWERS AND ANCHOR TO TOWER FOUNDATIONS.
3. ATTACH PRIMARY CABLES/WIRE ROPES BETWEEN THE TOWERS. THE ESTIMATED HORIZONTAL PULL FORCE TO PLACE THE CABLES (CATENARY) IS 930 LBS PER SIDE. DEFLECTION OF THE TOWER AT THE TOP IS ANTICIPATED AT THIS STAGE.
4. ATTACH STAY CABLES FROM TOWERS TO STAY FOUNDATIONS AND TENSION USING TURNBUCKLES, PROVIDING AN EVEN DISTRIBUTION OF TENSION BETWEEN ALL STAY CABLES. ADJUST THE TURNBUCKLES TO BRING THE TOWER BACK INTO A TRUE AND PLUMB POSITION.
5. INSTALL SUPERSTRUCTURE ELEMENTS, INCLUDING SUSPENDER WIRES, FLOOR BEAMS, DECKING, WEBBING, AND HANDRAILS.
6. ADJUST TENSION IN STAY CABLES USING TURNBUCKLES TO BRING THE TOWER INTO A TRUE AND PLUMB POSITION IN THE FINAL SET CONDITION. ENSURE ALL STAY CABLES ARE FULLY AND EQUALLY ENGAGED.

| ESTIMATED QUANTITIES  |           |          |      |                                                                                                               |           |
|-----------------------|-----------|----------|------|---------------------------------------------------------------------------------------------------------------|-----------|
| ITEM                  | EXTENSION | QUANTITY | UNIT | DESCRIPTION                                                                                                   | SEE SHEET |
| 201                   | 11000     | 1        | LUMP | CLEARING AND GRUBBING                                                                                         |           |
| 203                   | 10001     | 257      | CY   | EXCAVATION, AS PER PLAN                                                                                       | 4/12      |
| 203                   | 20000     | 234      | CY   | EMBANKMENT                                                                                                    |           |
| 509                   | 10000     | 1        | LUMP | EPOXY COATED REINFORCING STEEL                                                                                | 4/12      |
| 511                   | 42510     | 1        | LUMP | CLASS QC1 CONCRETE, PIER CAP                                                                                  |           |
| 511                   | 45710     | 1        | LUMP | CLASS QC1 ABUTMENT, STAY CABLE FOUNDATIONS                                                                    |           |
| 512                   | 10050     | 1        | LUMP | SEALING OF CONCRETE SURFACES (NON-EPOXY)                                                                      |           |
| 513                   | 10261     | 1        | LUMP | STRUCTURAL STEEL MEMBERS, LEVEL 1, AS PER PLAN, TOWER, WEATHERING STEEL                                       |           |
| 513                   | 95030     | 1        | LUMP | STRUCTURAL STEEL, MISC.: TOWER BOTTOM PLATE ASSEMBLY, INCLUDES BASE PLATE, ANCHORS, AND EMBEDDED ANCHOR PLATE |           |
| 513                   | 95030     | 1        | LUMP | STRUCTURAL STEEL, MISC.: TOWER TOP PLATE ASSEMBLY, INCLUDES PLATES AND BOLTS                                  | 4/12      |
| 513                   | 95030     | 1        | LUMP | STRUCTURAL STEEL, MISC.: STAY CABLE FOUNDATION, INCLUDES PLATE ASSEMBLY AND BOLTS                             |           |
| 513                   | 95030     | 1        | LUMP | STRUCTURAL STEEL, MISC.: STAINLESS STEEL RETAINER PLATE, 3/8"x3 1/2"x9"                                       |           |
| 513                   | 95030     | 1        | LUMP | STRUCTURAL STEEL, MISC.: STAINLESS STEEL HANGER PLATE, 3/8"x3 1/2"x9"                                         |           |
| 513                   | 95030     | 1        | LUMP | STRUCTURAL STEEL, MISC.: STAINLESS STEEL 5/8" U-BOLT, INCLUDING NUTS, TAMPER PROOF NUTS, AND LOCK WASHERS     |           |
| 513                   | 95030     | 1        | LUMP | STRUCTURAL STEEL, MISC.: STAINLESS STEEL CLOSED BODY TURNBUCKLE, INCLUDING END ATTACHMENTS AND THREADED RODS  |           |
| 513                   | 95030     | 1        | LUMP | STRUCTURAL STEEL, MISC.: STAINLESS STEEL 7/8" EYE-BOLT, INCLUDING TAMPER PROOF NUTS AND LOCK WASHERS          |           |
| 524                   | 94701     | 92       | FT   | DRILLED SHAFTS, 36" DIAMETER, AS PER PLAN                                                                     |           |
| 530E00400             | SPECIAL   | 1        | LUMP | 5/16" WIRE ROPE SUSPENDER CABLE, LENGTH VARIES, INCLUDING END TERMINATIONS                                    | 4/12      |
| 530E00400             | SPECIAL   | 1        | LUMP | 3/4" WIRE ROPE MAIN CABLE, INCLUDING END TERMINATIONS                                                         |           |
| 530E00400             | SPECIAL   | 1        | LUMP | 3/4" WIRE ROPE STAY CABLE, INCLUDING END TERMINATIONS                                                         |           |
| 530E00400             | SPECIAL   | 1        | LUMP | 1/2" TIMBER DECK CARRIAGE BOLTS, 3" LONG                                                                      |           |
| 530E00400             | SPECIAL   | 1        | LUMP | #10 TIMBER WEBBING SCREWS, 3" LONG                                                                            |           |
| 530E00400             | SPECIAL   | 1        | LUMP | INSTALL TIMBER SIGN PANEL, 2"x2'-0"x3'-0", ROUGH SAWN WHITE OAK, NO. 2, INCLUDING PLATES AND BOLTS            |           |
| 530E00400             | SPECIAL   | 1        | LUMP | 5/8" WIRE ROPE STABILIZING CABLE, 100'-0", INCLUDING END TERMINATIONS                                         |           |
| 530E00600             | SPECIAL   | 1        | LUMP | EXPANDED MESH WEBBING, INCLUDING CONNECTIONS AND MISCELLANEOUS COMPONENTS                                     |           |
| 530E01300             | SPECIAL   | 1        | LUMP | 1 1/2" POLYPROPYLENE ROPE HANDRAIL, INCLUDING ALL CONNECTORS                                                  |           |
| 530E01300             | SPECIAL   | 1        | LUMP | STRUCTURAL REINFORCED PLASTIC LUMBER, 3"x8"                                                                   |           |
| 530E10700             | SPECIAL   | 1        | LUMP | TIMBER DECKING, 2"x6" ROUGH SAWN WHITE OAK, NO. 2                                                             | 4/12      |
| 530E10700             | SPECIAL   | 1        | LUMP | TIMBER EDGE BOARD, 1"x6" ROUGH SAWN WHITE OAK, NO. 2                                                          |           |
| 624                   | 10000     | 1        | LUMP | MOBILIZATION                                                                                                  |           |
| 659                   | 98700     | 1        | LUMP | SEEDING, MISC.: SEEDING, MULCHING, AND PROJECT CLEANUP                                                        |           |
| 832                   | 15000     | 1        | LUMP | STORM WATER POLLUTION PREVENTION PLAN                                                                         | 4/12      |
| 832                   | 30000     | 10000    | EACH | EROSION CONTROL                                                                                               |           |
| ALTERNATE 1 BID ITEMS |           |          |      |                                                                                                               |           |
| 304                   | 20001     | 1392     | SY   | AGGREGATE TRAIL BASE, AS PER PLAN                                                                             |           |
| 611                   | 01500     | 1        | LUMP | 6" CONDUIT, TYPE F                                                                                            |           |
| 611                   | 98690     | 1        | LUMP | CATCH BASIN, MISC.: 8" NYOPLAST DRAIN BASIN                                                                   |           |
| ALTERNATE 2 BID ITEMS |           |          |      |                                                                                                               |           |
| 530E01300             | SPECIAL   | 1        | LUMP | FRP DECKING, STRUCTURAL REINFORCED PLASTIC LUMBER, 2"x6"                                                      |           |
| 530E01300             | SPECIAL   | 1        | LUMP | FRP EDGE BOARD, STRUCTURAL REINFORCED PLASTIC LUMBER, 1"x6"                                                   |           |

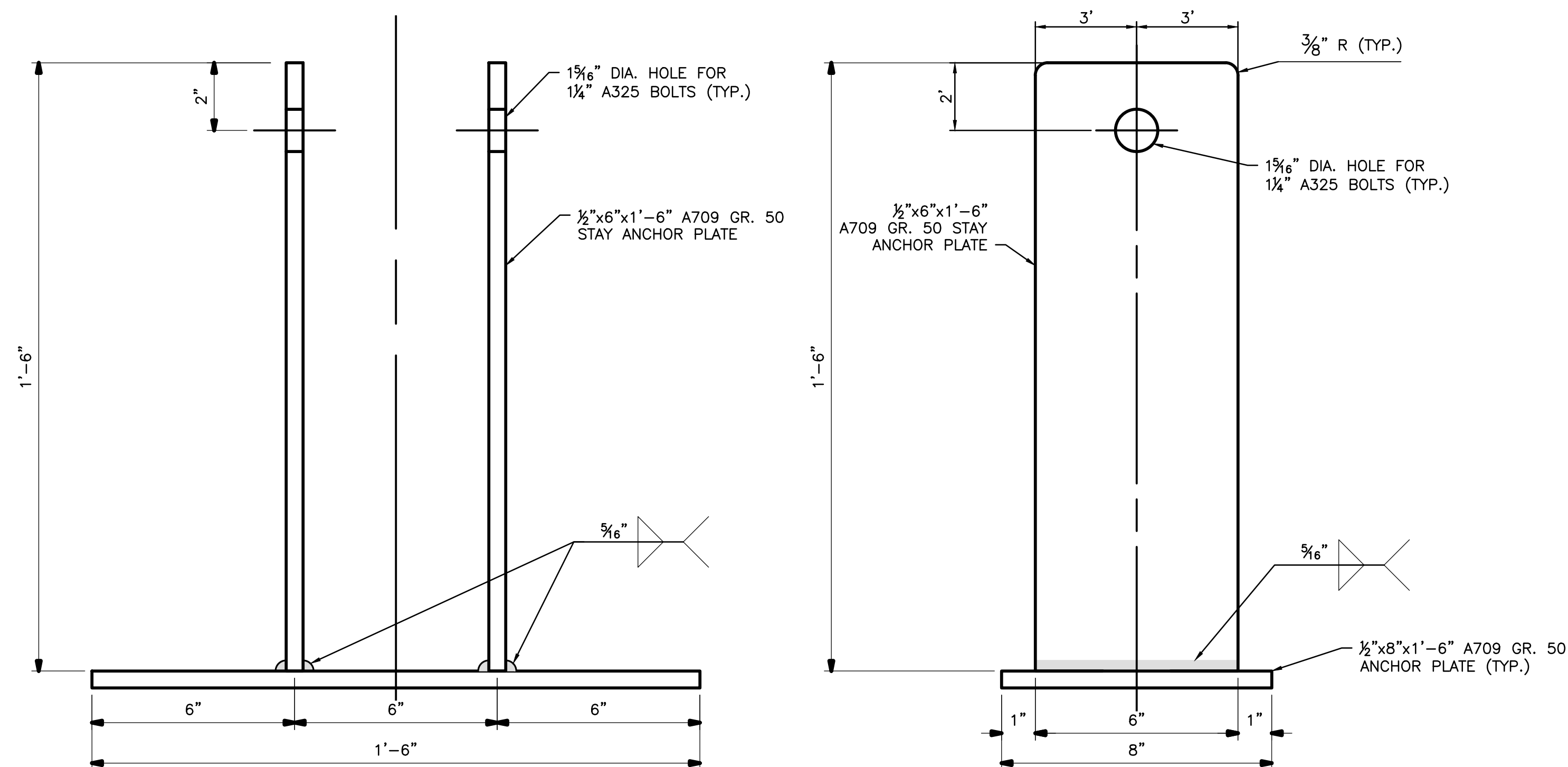
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**STAY CABLE FOUNDATION ELEVATION VIEW**



**STAY CABLE FOUNDATION SECTION VIEW**



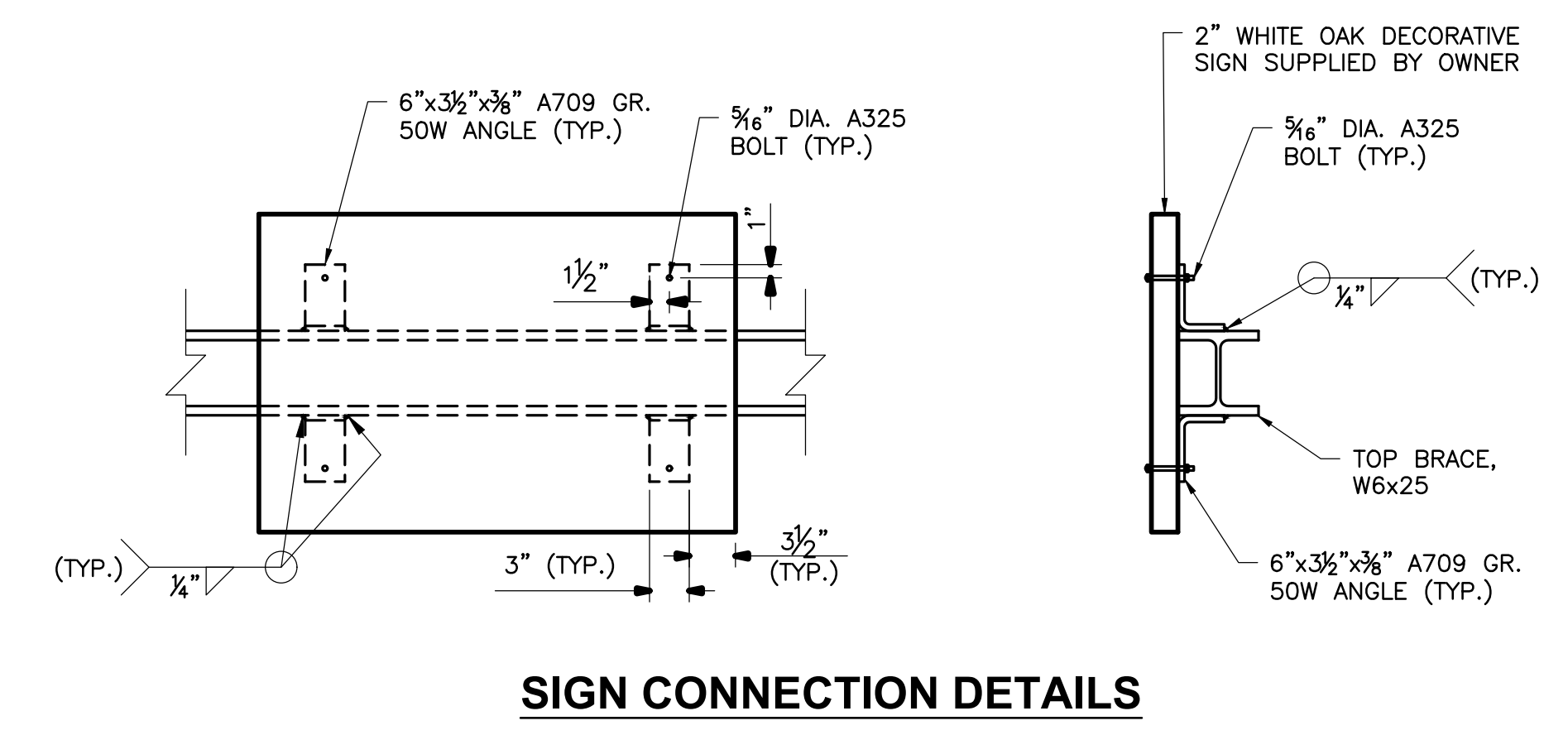
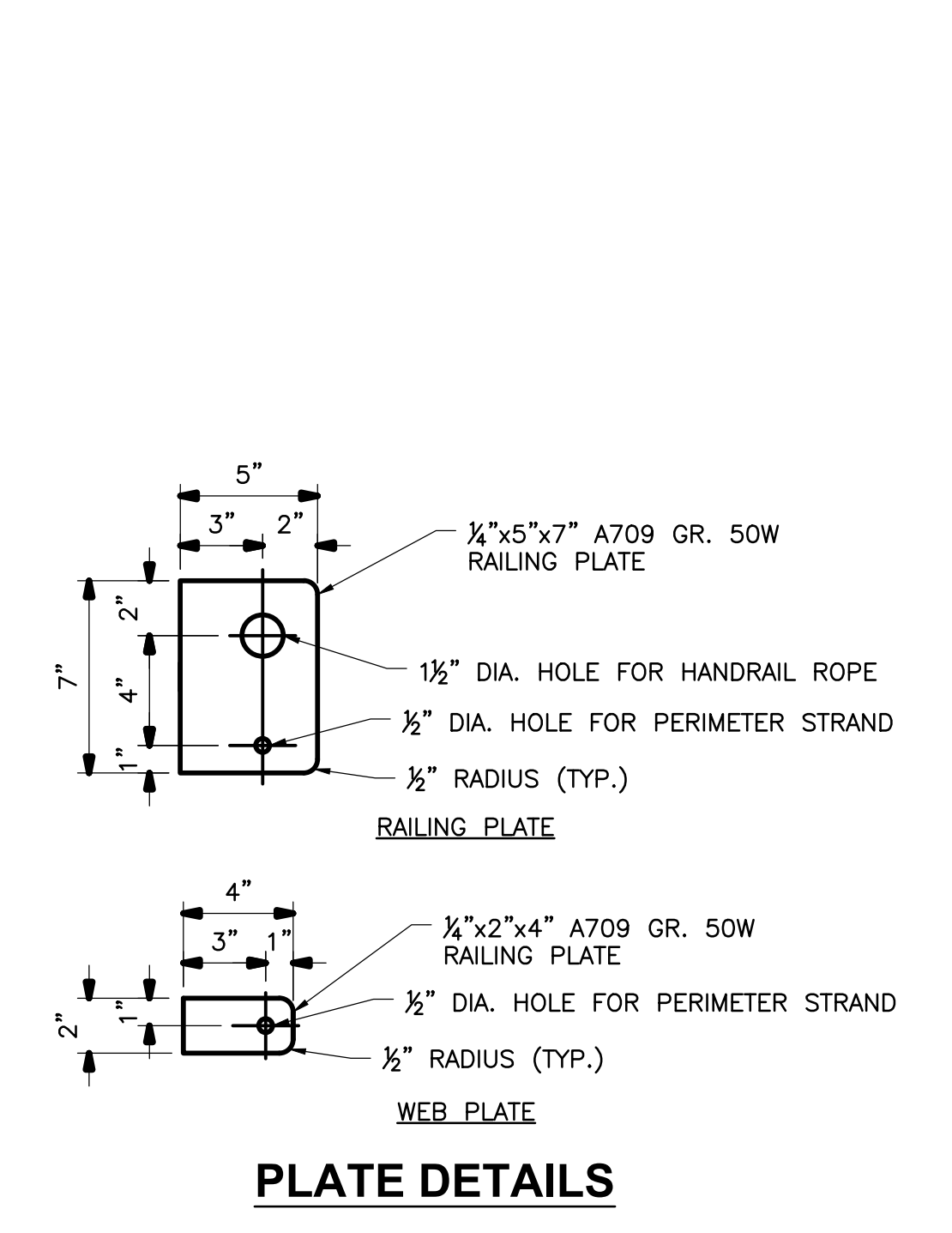
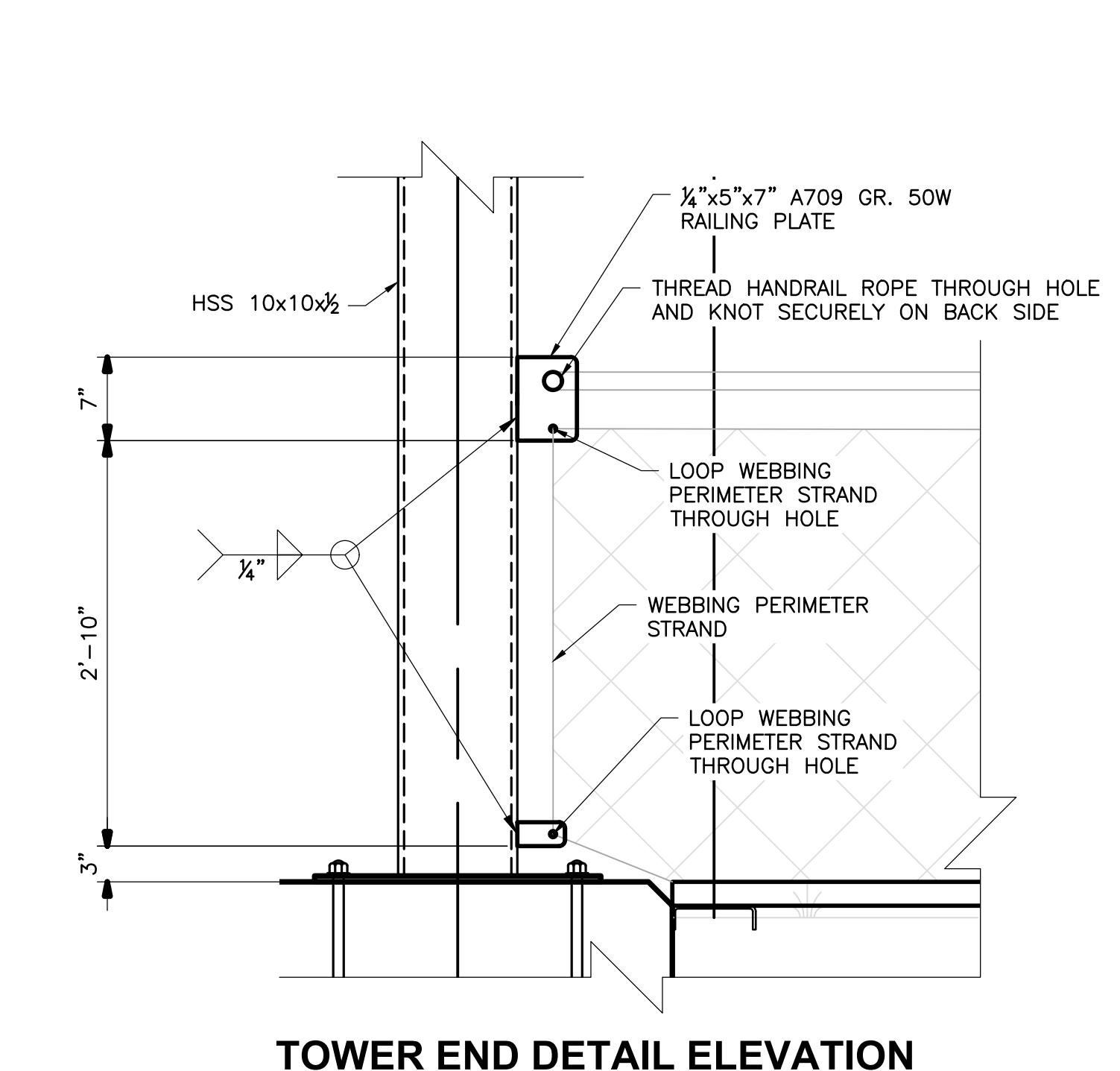
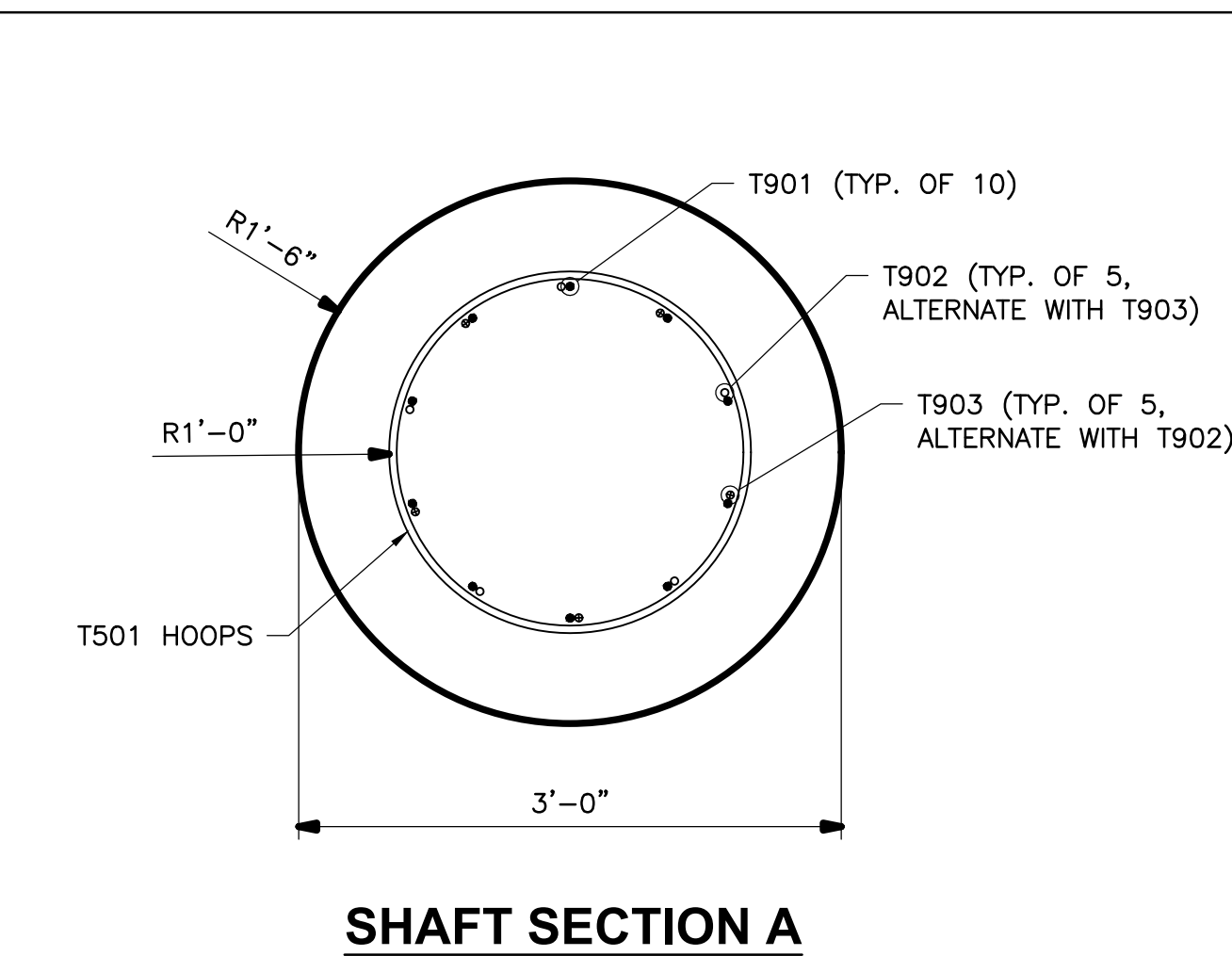
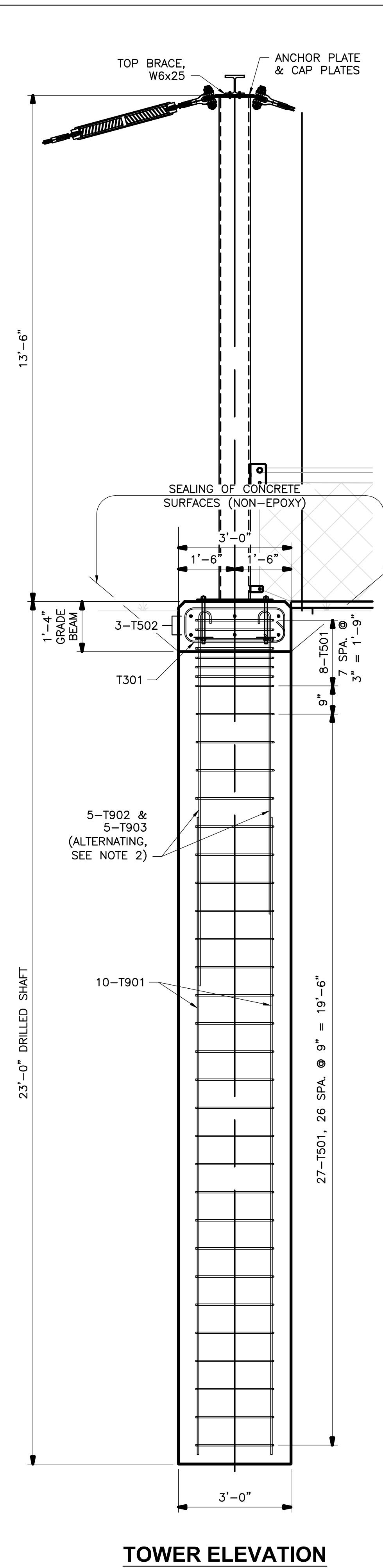
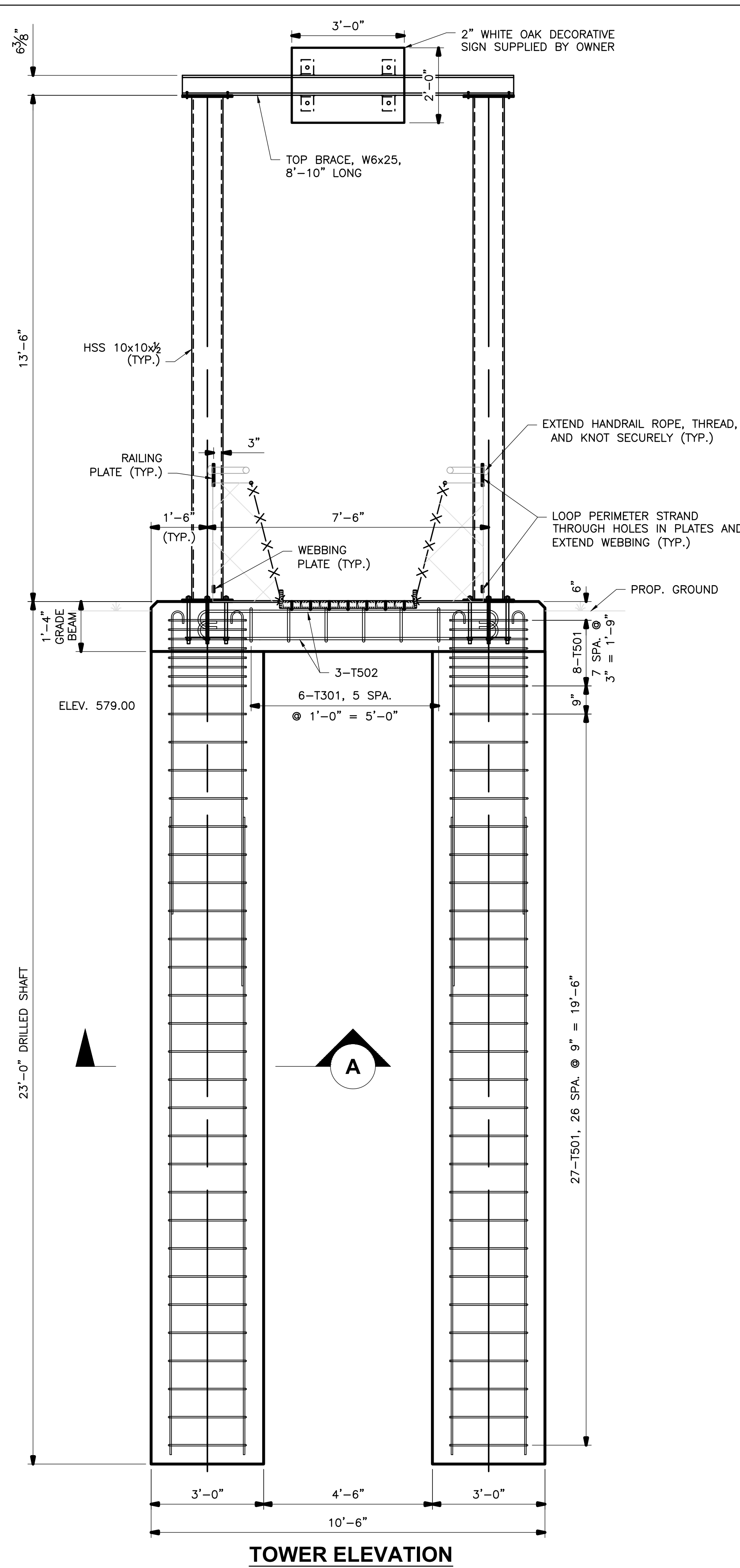
**STAY ANCHOR PLATE DETAILS**

**NOTES:**

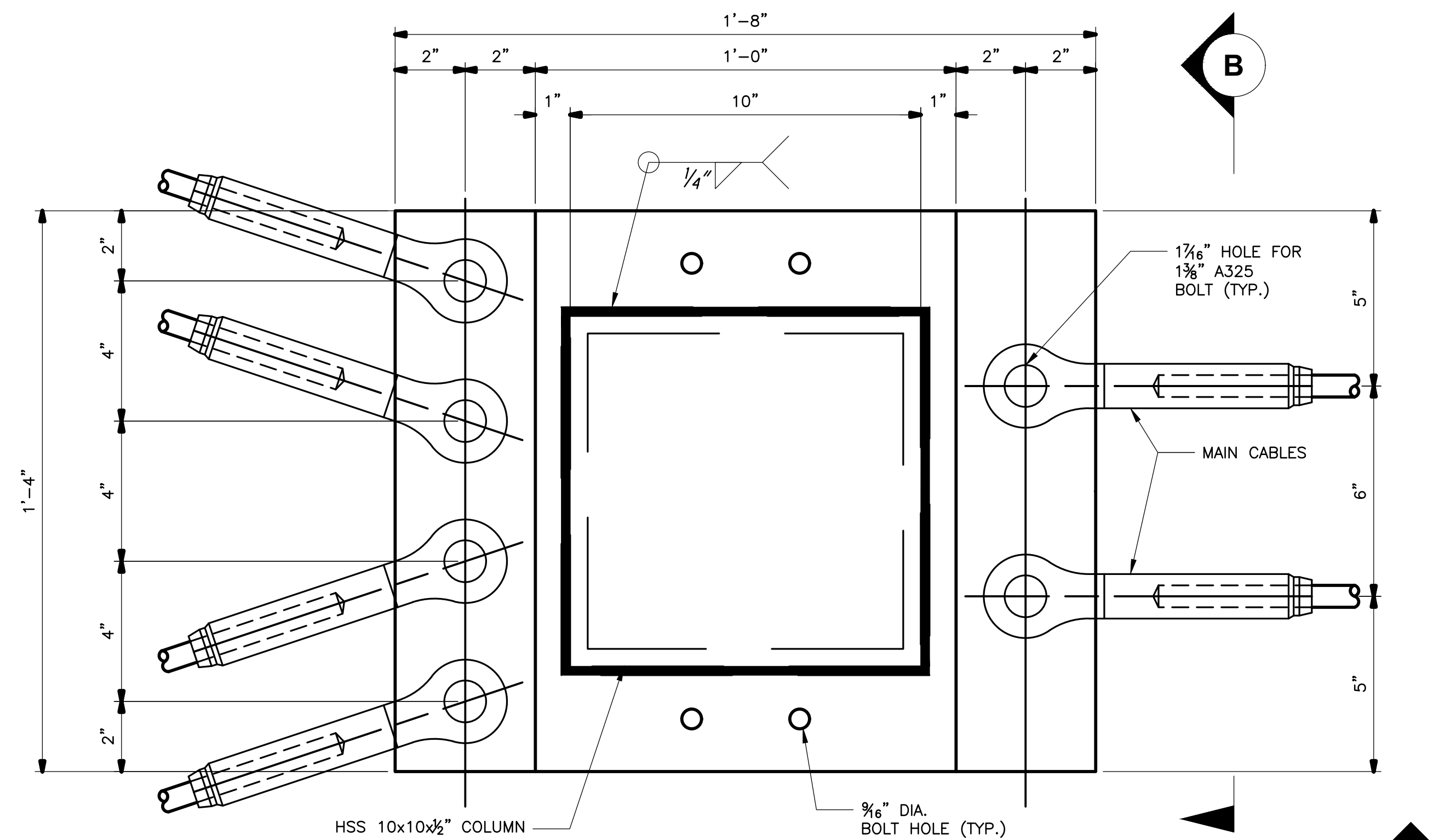
1. ALL STEEL PLATES SHALL BE THERMALLY CUT.
2. ALL STEEL COMPONENTS SHALL BE GALVANIZED, BLACK COLOR.
3. BOLT THREADS SHALL NOT CROSS STEEL PLATE SHEAR PLANES.
4. WELD MATERIAL SHALL BE E70XX.
5. FOUNDATION ANTICIPATED TO BE GRANULAR SOIL.
6. MINIMUM REINFORCING STEEL LAP LENGTHS SHALL BE AS FOLLOWS:  
#6 = 2'-10"
7. PROVIDE 2" CHAMFER ON ALL EDGES OF EXPOSED CONCRETE SURFACES, UNLESS NOTED OTHERWISE.
8. MIN. REINFORCING COVER SHALL BE 3" FOR SURFACES CAST DIRECTLY AGAINST GROUND, 2" FOR ALL OTHER SURFACES.



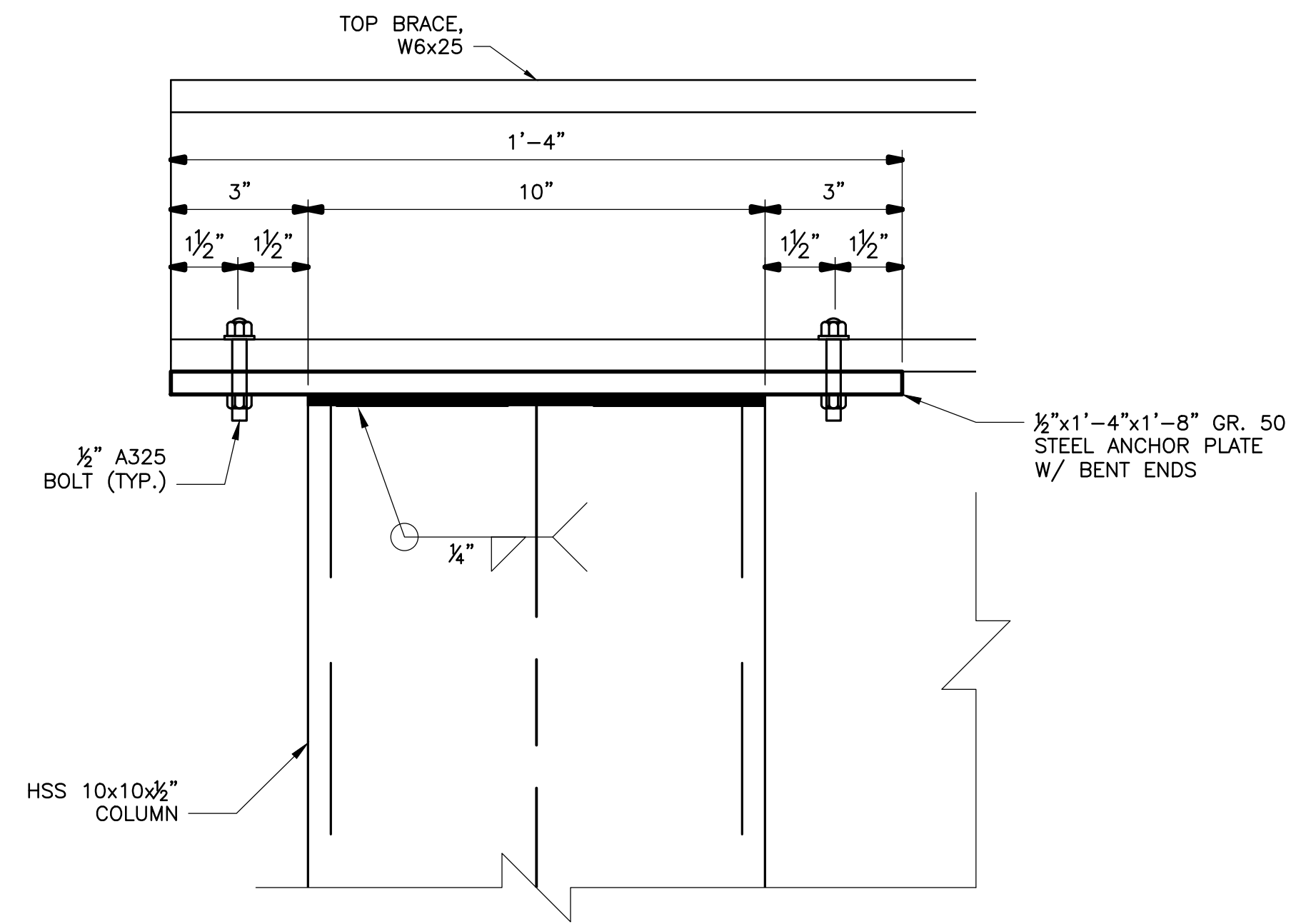
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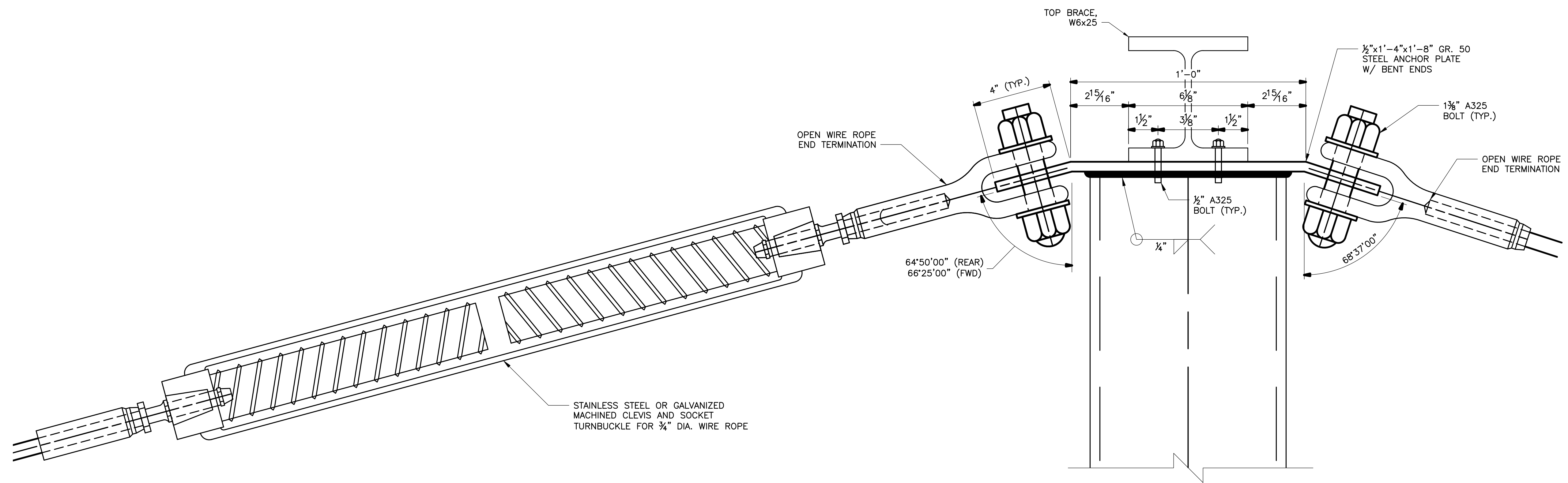
- NOTES:**
1. ALTERNATE LAP BARS SUCH THAT NO ADJACENT SHAFT LONGITUDINAL BAR IS LAPPED AT THE SAME VERTICAL POINT.
  2. SEE SHEET 8/12 FOR TOP CONNECTION DETAILS. SEE SHEET 9/12 FOR BOTTOM CONNECTION DETAILS.
  3. MINIMUM REINFORCING STEEL LAP LENGTHS SHALL BE AS FOLLOWS:  
#9 = 6'-0"



**TOWER ANCHOR PLATE PLAN VIEW**



**TOWER ANCHOR PLATE VIEW B**



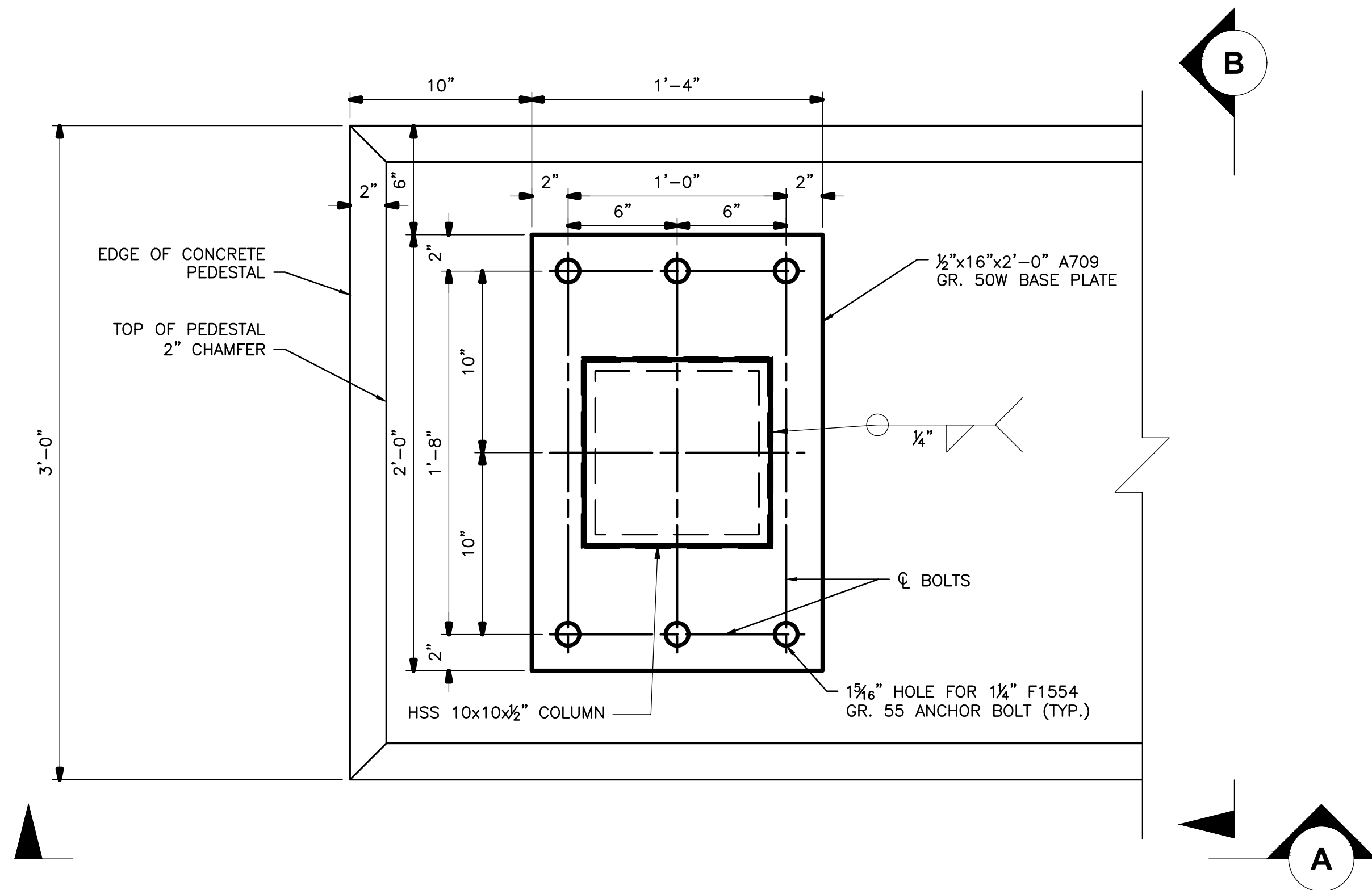
**TOWER ANCHOR PLATE VIEW A**

**NOTES:**

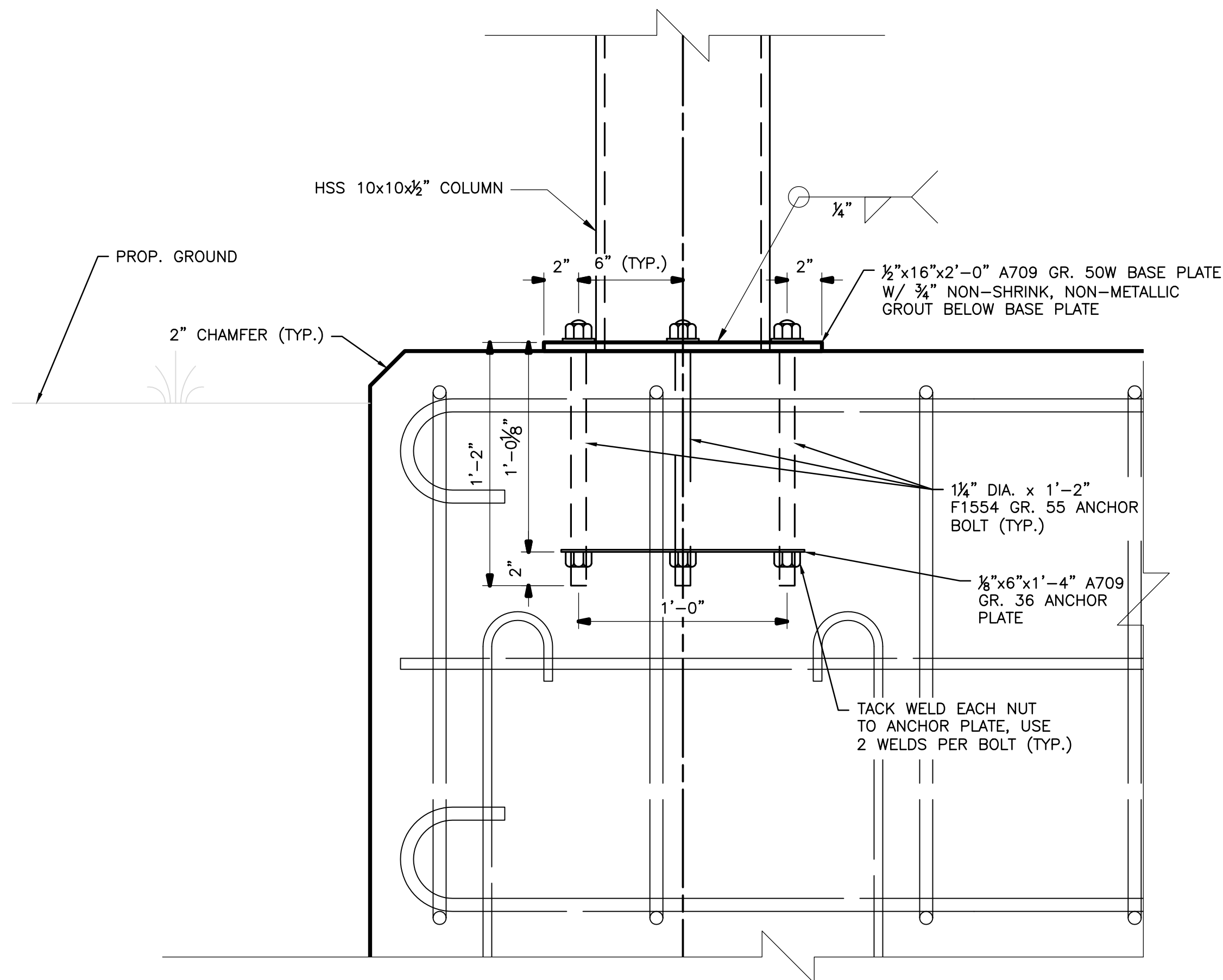
1. ALL STEEL PLATES SHALL BE THERMALLY CUT.
2. BOLT THREADS SHALL NOT CROSS STEEL PLATE SHEAR PLANES.
3. WELD MATERIAL SHALL BE E70XX.
4. ANCHOR PLATE SHALL BE CENTERED ON COLUMN.



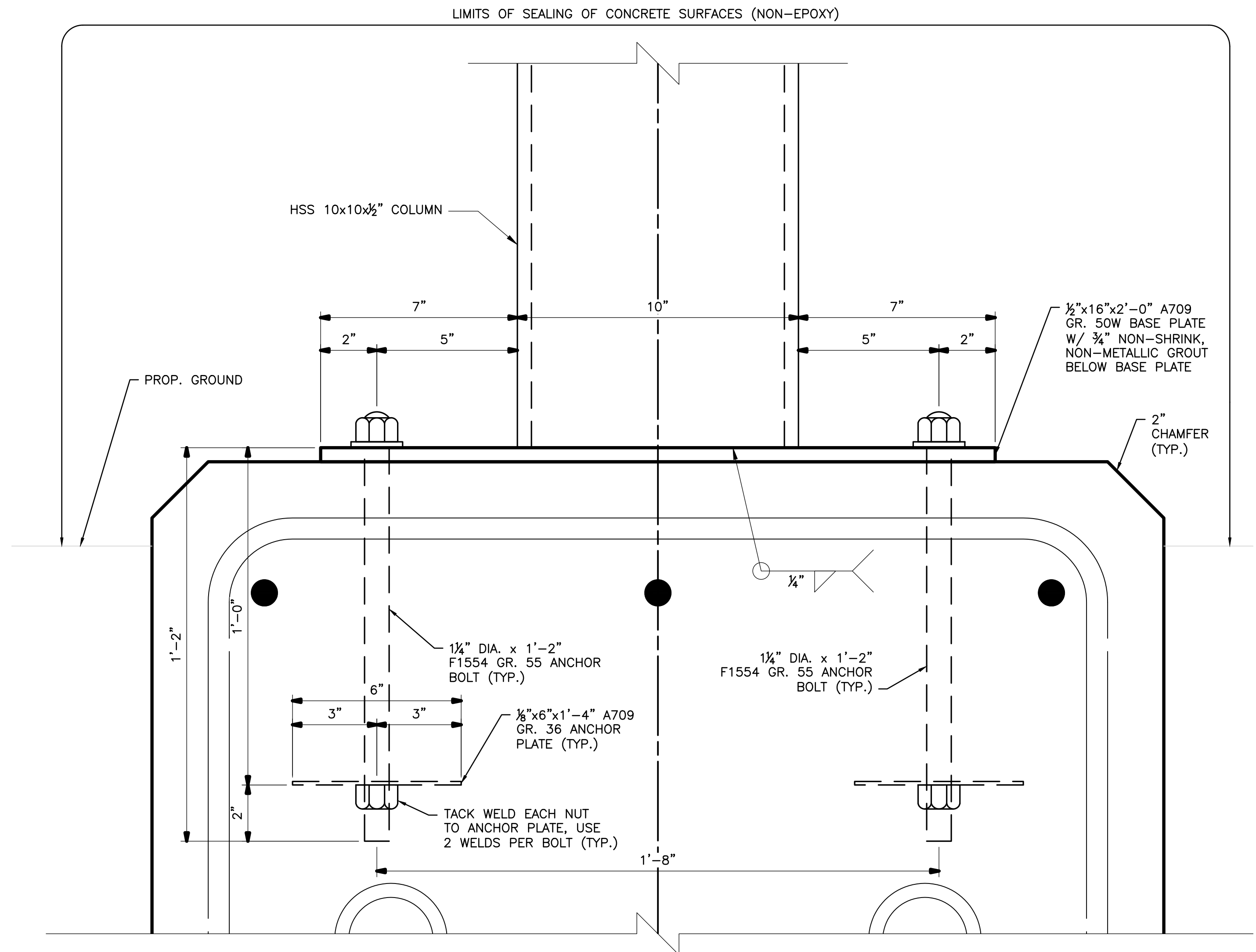
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**TOWER BOTTOM CONNECTION PLAN VIEW**



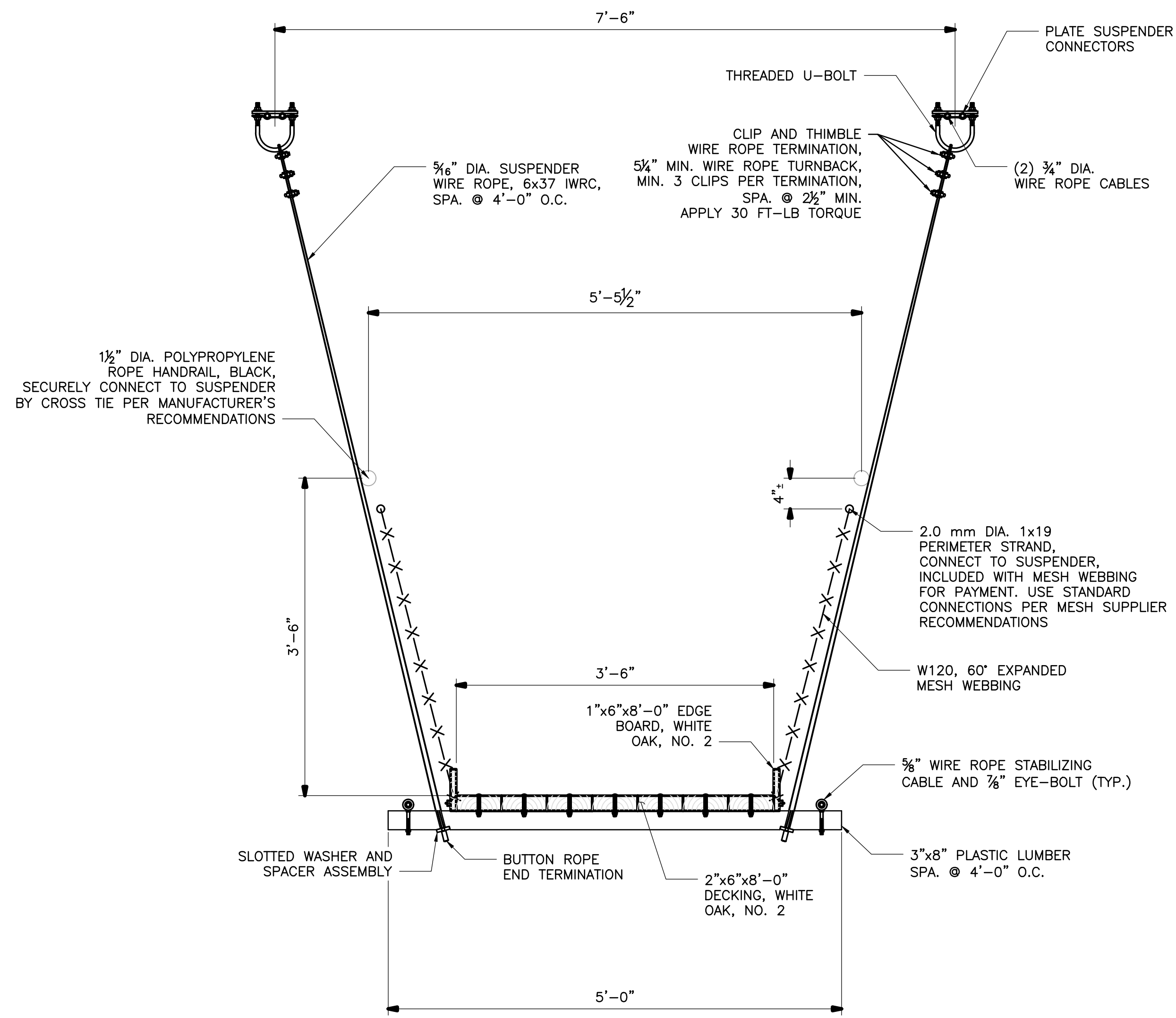
**TOWER ANCHOR PLATE VIEW A**



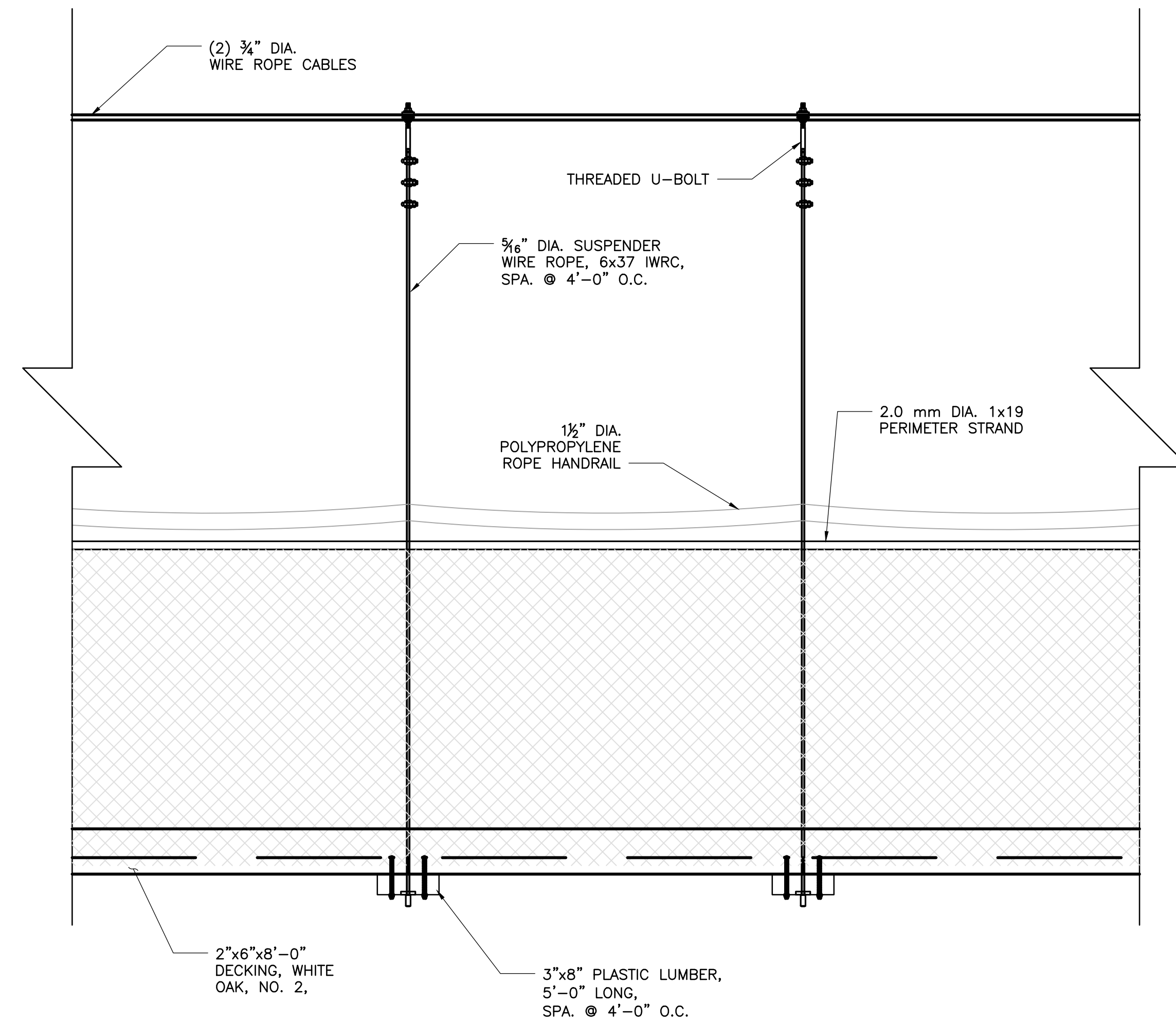
**TOWER ANCHOR PLATE VIEW B**

**NOTES:**

1. ALL STEEL PLATES SHALL BE THERMALLY CUT.
2. ALL GRADE 50 PLATES SHALL BE ASTM A709.
3. BOLT THREADS SHALL NOT CROSS STEEL PLATE SHEAR PLANES.
4. WELD MATERIAL SHALL BE E70XX.



**TRANSVERSE SECTION**



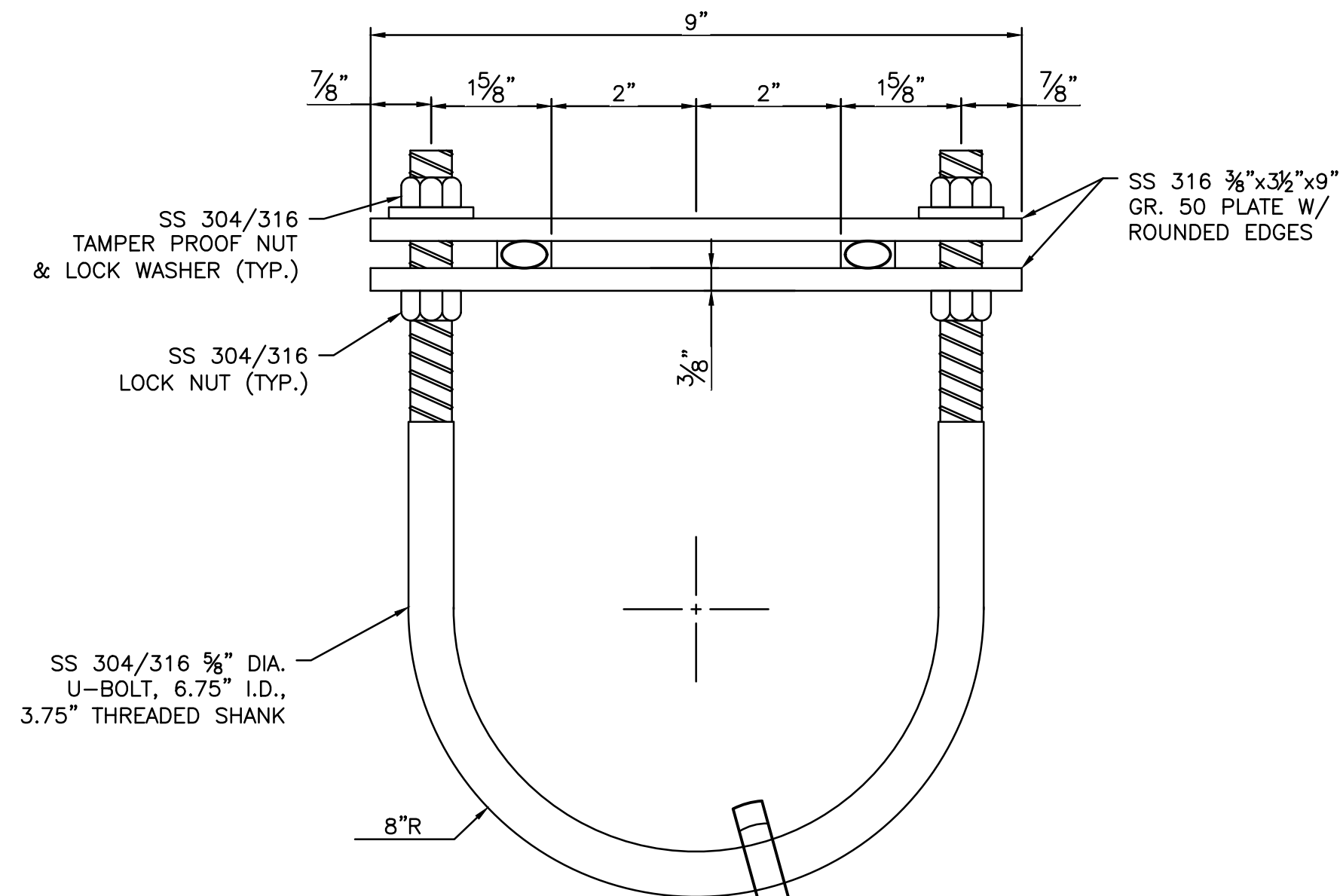
**SUPERSTRUCTURE ELEVATION**

**NOTES:**

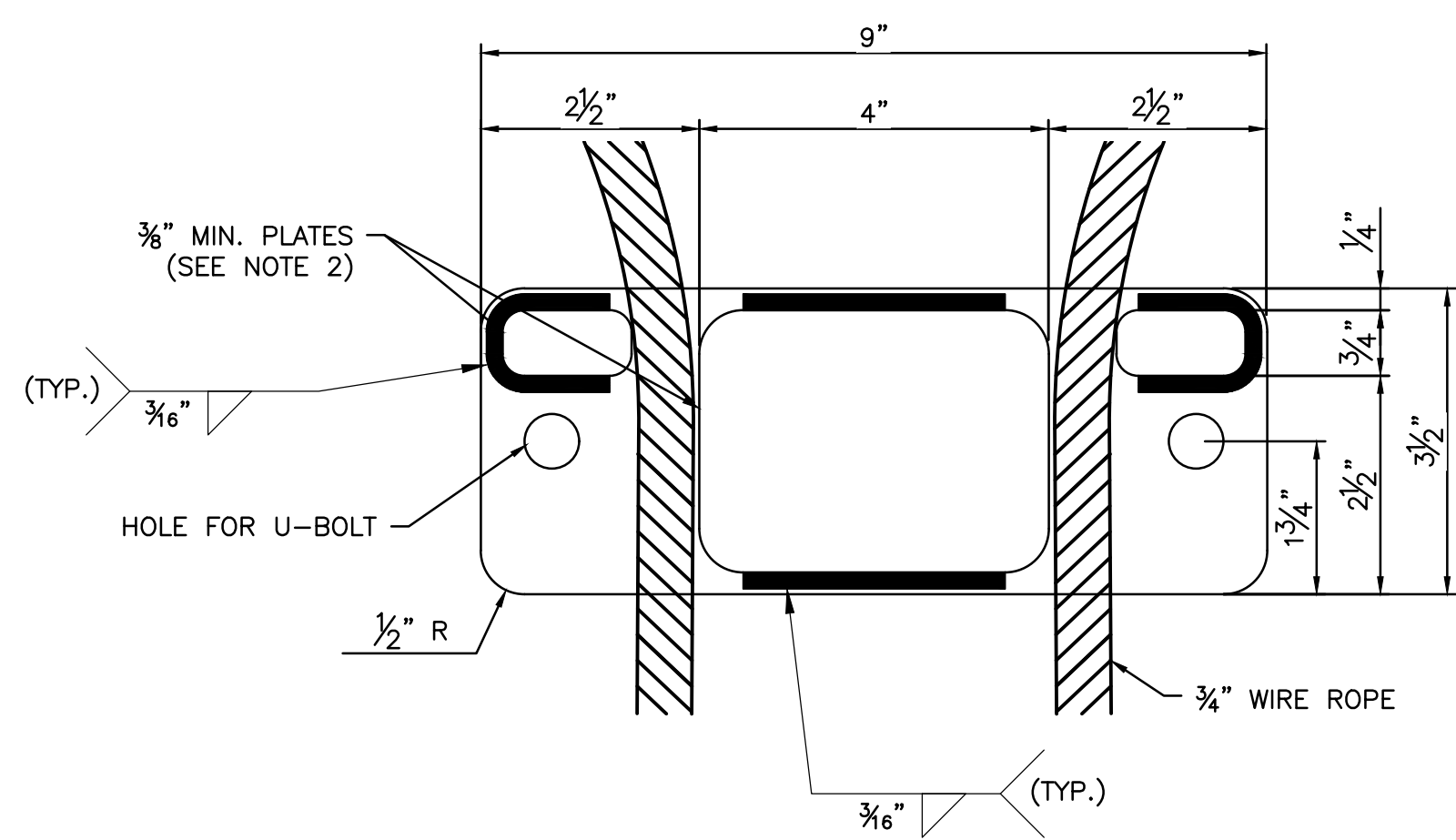
1. ALTERNATE DECKING SUCH THAT ONLY TWO BOARDS, AND NOT ADJACENT BOARDS, TERMINATE AT ANY GIVEN FLOOR BEAM, EXCEPT FOR AT THE DECKING END.

|          |     |                       |         |
|----------|-----|-----------------------|---------|
| DESIGNED | PES | CHECKED               | TML     |
| DRAWN    | PES | REVISED               |         |
| REVIEWED | PJP | DATE                  | 10/2023 |
|          |     | STRUCTURE FILE NUMBER |         |

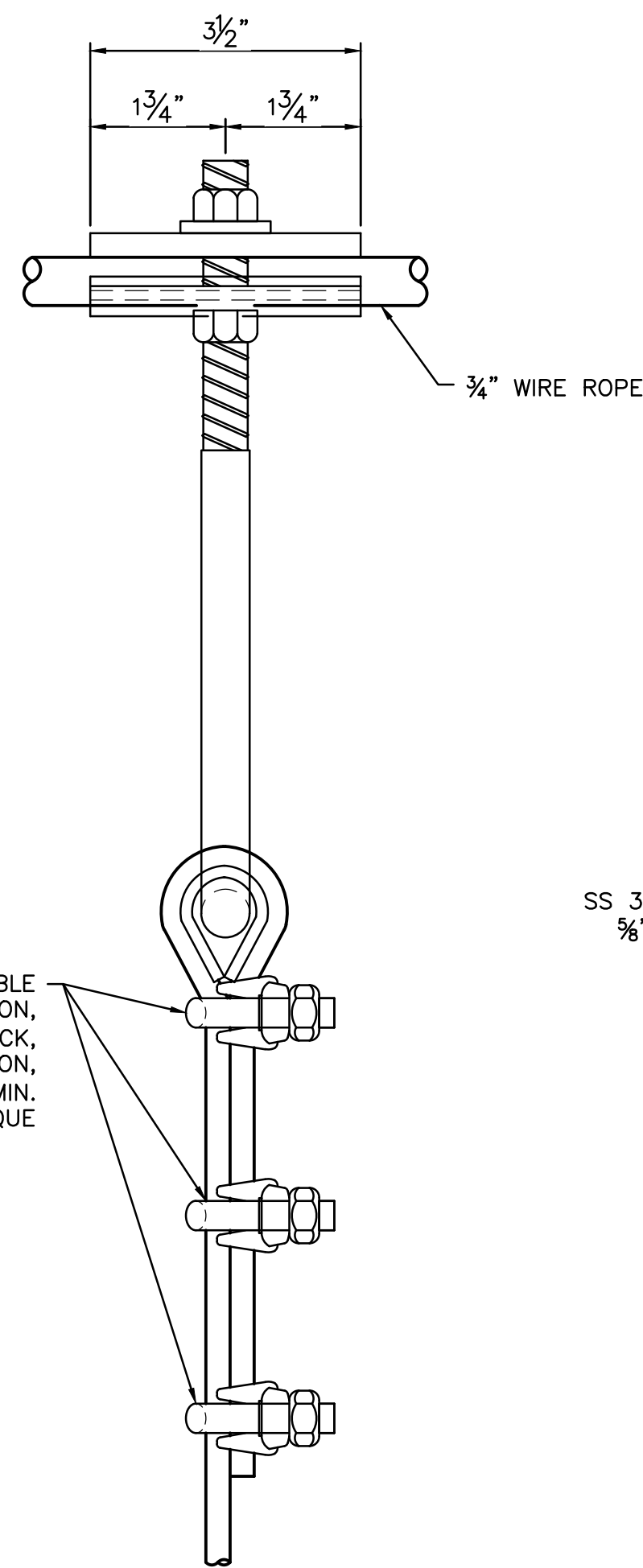
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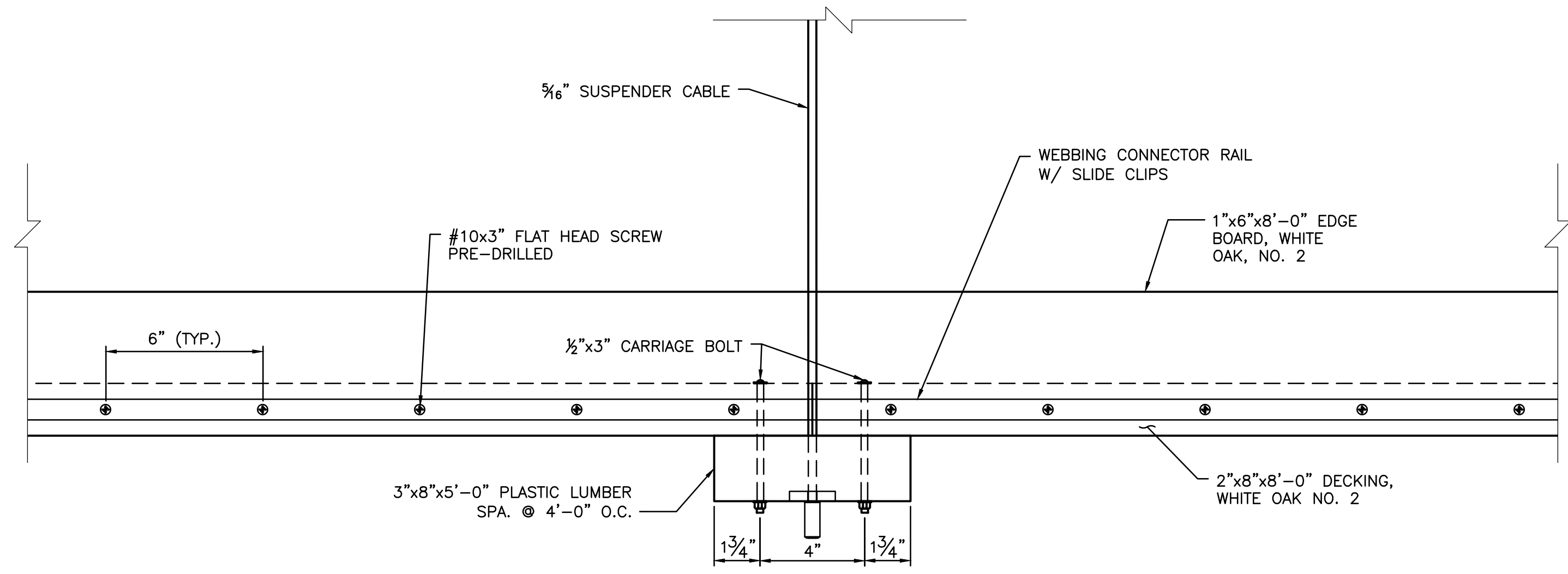
**SUSPENSER TO MAIN CABLE CONNECTION DETAIL**



**SUSPENSER CONNECTION TOP VIEW**



**SUSPENSER TO FLOOR BEAM CONNECTION SECTION**



**SUSPENSER TO FLOOR BEAM CONNECTION ELEVATION**

(ALL DIMENSIONS AND CALLOUTS TYPICAL U.N.O.)

**NOTES:**

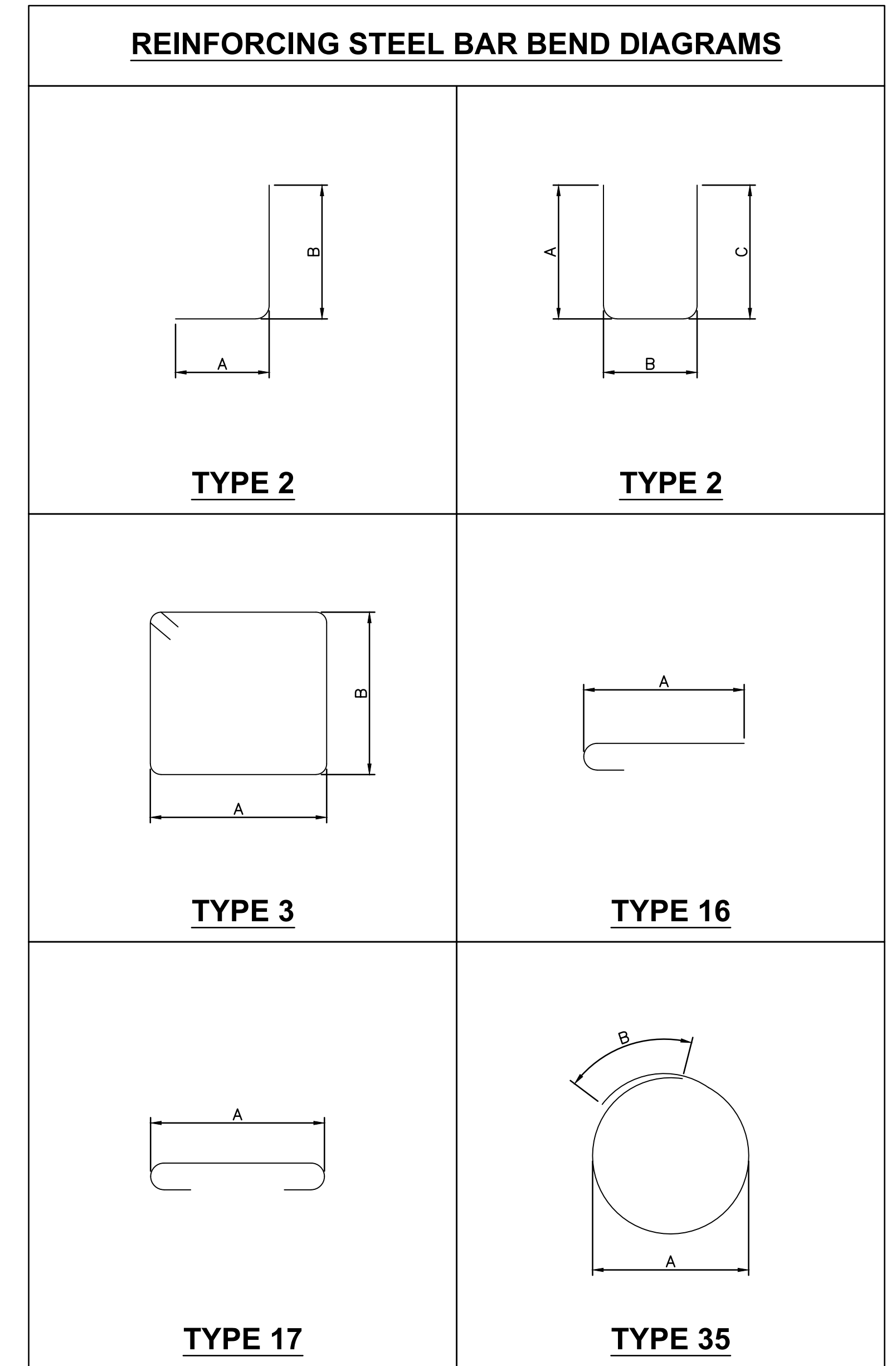
1. ALL CLIPS, RAILS, AND INCIDENTAL CONNECTIONS FOR THE EXPANDED MESH WEBBING SHALL BE INCLUDED IN THE SQUARE FOOT UNIT BID PRICE FOR EXPANDED MESH WEBBING.
2. U-BOLT AND CLAMP PLATES SHALL BE TIGHTENED ON WIRE ROPE AS RECOMMENDED BY THE MANUFACTURER OF THE WIRE ROPE. SIZE SPACER PLATES TO MATCH RECOMMENDATIONS. CARE SHALL BE TAKEN NOT TO OVER-TIGHTEN THE WIRE ROPE OR CAUSE DAMAGE.
3. BUTTON CONNECTOR MAY BE SWAGED OR UN-SWAGED FIELD CONNECTED. IF NOT SWAGED, THE DRILLED HOLE IN THE FLOOR BEAM FOR THE 3/8" DIA. SUSPENSER CABLE SHALL BE 3/8" DIA. INSTEAD OF 5/8" DIA. AND THE WASHER NEED NOT BE SLOTTED.
4. PROVIDE LOCK NUTS AND WASHERS WITH ALL CONNECTION BOLTS.



| REAR STAY FOUNDATIONS |        |       |       |        |              |      |            |        |       |   |   |   |
|-----------------------|--------|-------|-------|--------|--------------|------|------------|--------|-------|---|---|---|
| MARK                  | NUMBER |       |       | LENGTH | WEIGHT (LBS) | TYPE | DIMENSIONS |        |       |   |   |   |
|                       | LEFT   | RIGHT | TOTAL |        |              |      | A          | B      | C     | D | E | R |
| * S401                | 28     | 28    | 56    | 9'-6"  | 356          | ST.  |            |        |       |   |   |   |
| * S501                | 13     | 13    | 26    | 9'-3"  | 251          | 2    | 4'-3"      | 1'-0"  | 4'-3" |   |   |   |
| * S601                | 13     | 13    | 26    | 5'-6"  | 215          | ST.  |            |        |       |   |   |   |
| * S602                | 13     | 13    | 26    | 9'-2"  | 358          | 1    | 4'-6"      | 4'-10" |       |   |   |   |
| * S603                | 13     | 13    | 26    | 10'-2" | 398          | 1    | 5'-6"      | 4'-10" |       |   |   |   |
| TOTAL                 |        |       |       |        | 1578         |      |            |        |       |   |   |   |

| TOWERS |        |     |       |        |              |      |            |       |   |   |   |   |
|--------|--------|-----|-------|--------|--------------|------|------------|-------|---|---|---|---|
| MARK   | NUMBER |     |       | LENGTH | WEIGHT (LBS) | TYPE | DIMENSIONS |       |   |   |   |   |
|        | REAR   | FWD | TOTAL |        |              |      | A          | B     | C | D | E | R |
| T301   | 6      | 6   | 12    | 7'-9"  | 35           | 3    | 2'-8"      | 1'-0" |   |   |   |   |
| * T501 | 70     | 70  | 140   | 7'-3"  | 1059         | 35   | 2'-0"      | 1'-0" |   |   |   |   |
| T502   | 6      | 6   | 12    | 8'-8"  | 109          | 17   | 7'-6"      |       |   |   |   |   |
| T901   | 20     | 20  | 40    | 17'-0" | 2312         | ST.  |            |       |   |   |   |   |
| T902   | 10     | 10  | 20    | 12'-9" | 867          | 16   | 11'-6"     |       |   |   |   |   |
| T903   | 10     | 10  | 20    | 18'-9" | 1275         | 16   | 17'-6"     |       |   |   |   |   |
| TOTAL  |        |     |       |        | 5657         |      |            |       |   |   |   |   |

| FORWARD STAY FOUNDATIONS |        |       |       |        |              |      |            |        |       |   |   |   |
|--------------------------|--------|-------|-------|--------|--------------|------|------------|--------|-------|---|---|---|
| MARK                     | NUMBER |       |       | LENGTH | WEIGHT (LBS) | TYPE | DIMENSIONS |        |       |   |   |   |
|                          | LEFT   | RIGHT | TOTAL |        |              |      | A          | B      | C     | D | E | R |
| * S401                   | 28     | 28    | 56    | 9'-6"  | 356          | ST.  |            |        |       |   |   |   |
| * S501                   | 13     | 13    | 26    | 9'-3"  | 251          | 2    | 4'-3"      | 1'-0"  | 4'-3" |   |   |   |
| * S601                   | 13     | 13    | 26    | 5'-6"  | 215          | ST.  |            |        |       |   |   |   |
| * S602                   | 13     | 13    | 26    | 9'-2"  | 358          | 1    | 4'-6"      | 4'-10" |       |   |   |   |
| * S603                   | 13     | 13    | 26    | 10'-2" | 398          | 1    | 5'-6"      | 4'-10" |       |   |   |   |
| TOTAL                    |        |       |       |        | 1578         |      |            |        |       |   |   |   |



**NOTES:**

- THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT AFTER THE LETTERS WHERE THREE DIGITS ARE USED, AND THE FIRST TWO DIGITS AFTER THE LETTERS WHERE FOUR ARE USED, INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, T501 IS A NO. 5 BAR IN THE TOWER. A LEGEND OF THE DESCRIPTORS IS GIVEN BELOW:  
 S = STAY FOUNDATION  
 T = TOWER
- BAR DIMENSIONS SHOWN ARE OUT-TO-OUT UNLESS OTHERWISE NOTED.
- "R" INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED.
- "ST." INDICATES A STRAIGHT BAR.
- ALL REINFORCING STEEL SHALL BE EPOXY COATED.
- "\*" INDICATES THAT REINFORCING MAY UTILIZE GFRP BARS IN LIEU OF EPOXY COATED STEEL REINFORCING AT THE CONTRACTOR'S DISCRETION.